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THE PAGE-PHILIPPS SEED CO.,
SUCCESSORS TO

THE HENRY PHILIPPS SEED & IMPLEMENT CO.

GROWERS IMPORTERS
WHOLESALE & RETAIL DEALERS IN
GARDEN FIELD & FLOWER SEEDS

1915

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PIONEER BRAND SEEDS

SPECIAL FLOWER AND VEGETABLE SEED COLLECTIONS

FLOWER SEED
25 Cent Collection, by Mail, Postpaid

1 Package Asters, Mixed
1 Package Cosmos, Mixed
1 Package Mignonette, Sweet
1 Package Nasturtium, Mixed
1 Package Verbena, Mam., Mixed
1 Package Sweet Peas, G. M., Mixed
1 Package 10 Weeks' Stock
1 Package Zinnia, Double, Mixed

VEGETABLE SEED
25 Cent Collection, by Mail, Postpaid

1 Package Beet, Eclipse
1 Package Corn, Golden Bantam
1 Package Cabbage, Large Late Flat Dutch
1 Package Cucumber, Improved Long Green
1 Package Lettuce, Early Curled Simpson
1 Package Onion, Prize Taker
1 Package Radish, Extra Early Scarlet
1 Package Turnip, White Egg

VEGETABLE SEED
50 Cent Collection, by Mail, Postpaid

1 Package Peas, Philipps' Early Summit
1 Package Beans, Hallecroft Kidney Wax
1 Package Sweet Corn, Early Cory
1 Package Beet, Early Blood Turnip
1 Package Cabbage, Large Late Flat Dutch
1 Package Cabbage, Early Summer
1 Package Cucumber, Improved White Spine
1 Package Lettuce, New Salamander
1 Package Watermelon, Kleckley Sweets
1 Package Muskmelon, Hackensack
1 Package Onion, Yellow Danvers
1 Package Parsnip, Hollow Crown
1 Package Radish, Extra Early Scarlet
1 Package Tomato, Stone

BIG COLLECTION—$1.00 by Mail, Postpaid

1—One Pkt. Beans, Stringless Green Pod
2— " Beans, Hallecroft Wax
" Beet, Lentz Blood Turnip
" Cabbage, Extra Early Jersey Wakefield
" Cabbage, Improved Autumn King
" Celery, White Plume
" Corn, Sweet, Philipps' New Wonder
" Cucumber, Long Green Improved
" Cucumber, Imp. White Spine
" Lettuce, Grand Rapids
Lettuce, Wonderful
Watermelon, Improved Dixie
Muskmelon, Burrell's Gem
Onion, Yellow Danvers
" Onion, Prize Taker
" Pepper, Ruby King
17—One Pk. Parsnip, Hollow Crown
18— " Peas, Philipps' Early Summit
19— " Peas, Telephone, Late
20— " Radish, Early Scarlet Turnip
21— " Radish, Improved Chartier
22— " Squash, Toledo Warted Hubbard
23— " Tomato, Improved Stone
24— " Tomato, Dwarf Champion
25— " Turnip, Purple Top, Strap Leaf
26— " Turnip, Monarch Swede Rutabaga
27— " Sweet Peas, Mixed Flowering
28— " Mignonette, Sweet
29— " Balsam, Double Mixed
30— " Nasturtium, Mixed
31— " Zinnia, Mixed
32— " Verbena, Mammoth, Mixed

E ARE NO BETTER COLLECTIONS OF SEEDS TO BE HAD FOR THE MONEY ANYWHERE IN THE WORLD—FULL-SIZED PACKETS

The Pioneer Seed House of Northern Ohio

SIXTY-TWO YEARS OF SUCCESSFUL BUSINESS

ESTABLISHED 1852
INCORPORATED 1888

To Our Friends and Customers:—

We herewith hand you our Annual Seed Catalogue for 1915, in which you will find listed a complete line of Garden, Field and Flower Seeds, also Flowering Bulbs, all of which are true to name, of strong vitality and of highest germination that can be obtained.

For the benefit of our customers we wish to state that we always make germination tests of each and every variety of seed we offer. These tests are made by an expert at considerable expense to us, both in time and labor, so that the chances of a crop failure are reduced to a minimum.

Our Flower Seeds are strictly New Crop every year and thus of highest vitality possible.

As to prices.—Our prices as quoted in catalogue are low for first quality seed. It is decidedly poor judgment to court failure right from the start by trying to save what at the most can amount to but a small sum by buying cheap seeds. The seed bill is the least part of the expense anyway and pedigree vegetables and flowers are not produced from mongrel seeds.

MAIL-ORDER BUSINESS—We have no canvassers or agents to solicit orders. All outside business is done through mail orders direct to us. This means a saving to our patrons as well as to the firm. Close and prompt attention to such orders and honorable dealings have assured us a steady growth, and we now enjoy an immense mail-order business. Our friends and patrons have found by experience that buying through letter is as safe and satisfactory as buying over the counter, and have materially assisted in the extension of our business.

SEEDS POSTPAID BY MAIL—All Vegetable and Flower Seeds (not Field Seeds) by the packet, ounce or pound, will be delivered by us **postage paid and free of all expense.** When **Beans, Corn** and **Peas** are ordered we have to request an additional 15c. per quart or 8c. per pint, to be added for part postage on same. This system places our store at your very door, and enables customers thousands of miles away to obtain their supplies as cheaply as if they called in person at our store.

NOVELTIES—We devote considerable time each year to testing the various so-called novelties offered by the seed dealers of this and other countries, and whenever we discover anything desirable we offer it to our customers. In each department of this catalogue we offer a number of well-tested novelties, which we are sure will prove satisfactory.

ADDRESS, ETC.—In ordering please be particular to write your **Name,** also that of your **Postoffice, County** and **State plainly,** also mention the mode of conveyance you prefer — whether by mail, express or freight, also name of express or freight station. Serious delays are sometimes occasioned by failure to give attention to these matters. When not specified we shall use our best judgment. When goods are sent C. O. D., return charges will be added. As the prices of articles are catalogued, the purchaser can save the return charges by enclosing the remittance with the order.

ORDER EARLY—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use our order sheet, as it makes it more convenient for us in filling orders.

GUARANTEE—Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best Seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil, insects of different descriptions destroying the plants as soon or before they appear; wet weather, cold weather, frosts, chemical changes in the Seeds induced by temperature, etc. For these reasons it is impracticable to guarantee Seeds under all circumstances, and while we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty expressed or implied. If the purchaser does not accept the Seeds on these terms and conditions, they must be returned at once, and the money that has been paid for them will be refunded.

HOW TO SEND MONEY—Cash should always accompany the order. We will be responsible for money sent us by Postoffice Order, Express Money Order, Bank Draft, Express, or by Registered Letter.

Bills, Coin or Stamps (we accept postage stamps same as cash) can be sent safely by registered letter. Every postmaster is required to register any letter on payment of ten cents extra postage. We will in no way be responsible for Stamps or Money enclosed in a letter without registering. In case it is possible to send in no other way than U. S. Postage Stamps, we prefer the two-cent letter stamps, and care should be taken not to have them get moist and stick together.

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We hope to hear from you soon and often during the year 1915.

The Henry Philipps Seed and Implement Co

General List of Standard Vegetable Seeds

ARTICHOKES

CULTURE.—Sow in April and May in rich soil and transplant to permanent beds the next spring, in hills three feet apart each way, with three plants to a hill. A rich, deep loam is required and plenty of moisture.

The Globe Artichoke is cultivated for its flowerheads, which are cooked like Asparagus. On account of its hardiness, easy culture and perennial nature, plants will remain in bearing a long time.

Large Green Globe is the most popular and best for general cultivation. Pkt. 5c.; oz. 30c.; lb. **$3.00.**

Tuberous-Rooted Artichoke—New White. Well known throughout the country. The roots are esteemed for pickling and are a profitable crop to grow for feeding hogs, colts, calves and sheep. Yield sometimes 1,000 bushels per acre. Like parsnips, freezing solid and thawing many times does not spoil them, so it is not necessary to dig them for Spring use. Four bushels plant an acre. Per peck 50c.; bushel $1.75. If by mail, postpaid, 25c. per lb.

ASPARAGUS

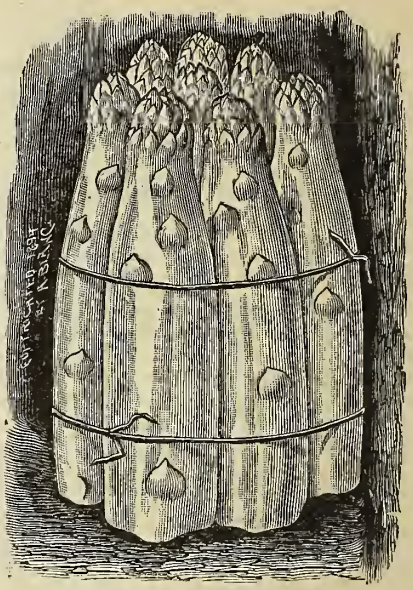
CULTURE.—Sow early in spring in drills two inches deep, rows one foot apart; keep clear from weeds by frequent weeding. One ounce of seed will produce about 400 plants; 10,000 plants required per acre. When one or two years old transplant into permanent beds, which should be made rich by plenty of manure. The perfection of the shoots depends mainly upon the favorable condition of the soil. Set the plants in rows about one and one-half feet apart and three feet between rows, with crown of the root three inches below the surface. Every fall remove the stalks and apply a good dressing of manure, which it would be well to stir in the following spring with a liberal dressing of fine salt.

Conover's Colossal. A well tried standard variety; large size, quick growth, excellent quality. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 60c.

Palmetto. Very early and desirable on account of its large size, even and regular growth, great productiveness and excellent quality. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 60c.

Barr's Mammoth. Of very large, quick growth. Earlier than the Conover's Colossal and more than twice as large. It is wonderfully productive throughout the entire season; very tender and very delicious flavor. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; 1 lb. 80c.

Columbian Mammoth White. This variety is a sport from Conover's Collossal, and originated on the farm of a prominent Asparagus grower on Long Island. It produces pure white shoots and requires no artificial blanching. On this account it brings in the market a much higher price than any other sort. It is a strong grower and comes remarkably true from seed—not more than 10 per cent. reverting to the type. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 75c.



Asparagus—Columbian White Mammoth

ASPARAGUS ROOTS

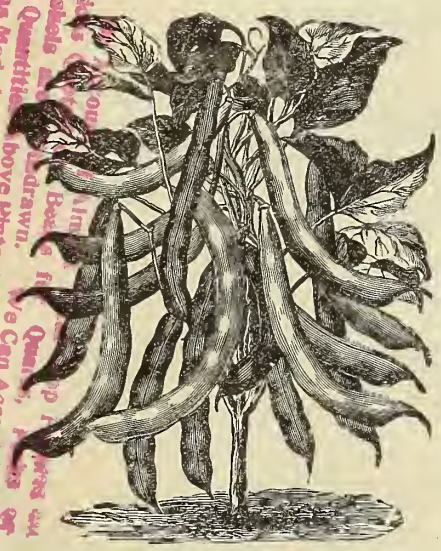
We offer only good strong two-year-old Roots

Columbian Mammoth White. By mail, postpaid, 50 roots, $1.00; 100 roots, $1.50. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.50.

Conover's Colossal. By mail, postpaid, 50 roots, 60c.; 100 roots, $1.10. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots $5.00.

Palmetto. By mail, postpaid, 50 roots, 70c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.00.

Barr's Mammoth. By mail, postpaid, 50 roots, 70c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.50.



Improved Extra Early Round Pod Red Speckled Valentine.

BEANS

Sold by Weight or U. S. Standard Measure

PHILIPP'S DWARF OR SNAP BEANS—Green Podded Varieties.

One quart to 275 feet of drill; 1½ bushels to the acre.

Of the many varieties of Beans, the following list comprises the very best of all, of which our stock is extra choice, the stock each year being carefully "rogued" and the seed stocks improved by continued intelligent selection.

CULTURE—About the first of May select a warm, dry sheltered spot; dig and manure slightly; make drills two inches deep and two feet apart; drop the Beans three inches apart in the drills and cover not more than two inches deep. Keep hoed (when not wet) and the weeds killed. Sow every two weeks for a succession. Beans are very tender and should not be planted in the open ground until danger of frost is over.

Extra Early Refugee. Hardy and productive. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.50.

Refugee or 1,000 to 1. Medium to late; very productive and tender, and largely grown for main crop; round pod. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.50.

Burpee's Stringless Green Pod. One of the earliest and best round podded Beans in cultivation. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.75.

Improved Extra Early Round Pod Red Speckled Valentine. A select strain of early Red Valentine, ripening very uniformly and producing enormously. Pods tender and succulent; the most profitable sort for the gardener; ready to pick in 35 days. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50.

Bountiful. The plant is very handsome and of sturdy growth, being practically immune to rust and mildew. It is very hardy, early and prolific and continues in bearing for several weeks. The pods are of immense size, rich green, thick, broad, extra long, solid, meaty, rich, tender and entirely free from string. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

Long Yellow Six Weeks. Extra Early and a most excellent variety; the leading market sort; has full, flat pods. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

Horticultural Dwarf. Excellent quality as a shell Bean, either green or dry; equal to the pole Bean, easier to cultivate. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart, 25c.; peck $1.50.

BEST SHELLED BEANS

Red Kidney. A good Bean, either green or ripe. Pkt 5c.; pint 10c.; quart 20c.; peck $1.25.

White Kidney. Excellent either green or ripe, early and very prolific. Pkt. 5c.; pint 10c.; quart 20c.; peck $1.25.

White Marrowfat. Good as either a string or shell Bean; heavy cropper. Pkt. 5c.; pint 10c.; quart 20c.; peck $1.25.

White Navy or Boston Pea Beans. Pkt. 5c.; pint 10c.; quart 15c.; peck $1.00.

The Goddard, or Boston Favorite. Particularly valuable as a shell Bean, being very large, handsome, and of delicious flavor either green or dry; it is very productive. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

PHILIPP'S DWARF—Wax Podded Varieties.

Currie's Rust-Proof Golden Wax. It is positively rust-proof. While grown side by side for several years with other Wax Beans, all of them more or less affected by rust, many of them completely ruined by it, this Bean has remained entirely free from it. Exceedingly crisp and tender, and of a most delicious flavor. As early as the Golden Wax, and it is moreover amazingly productive. Habit upright and robust, holding the pods well from the ground, pods long, flat and straight, of a beautiful golden color; the best Black Wax Bean out. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

WAX PODDED VARIETIES.

Wardwell's Dwarf Kidney Wax. Extra early, hardy and productive; pods long, broad, flat, and of a delicate waxy yellow; brittle and entirely stringless; decidedly the best Bean for market gardeners. Our price on this Bean being lower than other seedsmen sell them, should insure us your order. Beans white with two shades of reddish purple, and a distinct kidney shape; remarkably free from rust; excellent flavor. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.25.

The Davis Kidney Wax Bean. This is a new and distinct Kidney Wax variety of late introduction, and proved without exception to be the best white seeded wax podded Bean known. The plant is vigorous and healthy, of compact, upright growth, carrying its pods on the center and well up from the ground. It is very productive, always giving a large yield of handsome pods, with a small proportion of imperfect and misshapen ones. The pods are very long, oval, clear waxy-white color, and when suitable size to use for snaps quite stringless, showing no tendency to string until they approach maturity. Practical market gardeners are delighted with it because of its earliness, hardiness, productiveness, handsome appearance, its good shipping and selling qualities and small proportion of waste and second quality pods. Canners say it is just what we want; a long, straight, clear white pod which does not discolor in canning. The large, handsome, kidney-shaped dry beans are attractive, and this new Bean is sure to become a very popular and standard sort for family garden as well as market, and we highly recommend to our friends to give it a trial. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

The Davis Kidney Wax.

Dwarf Red Flageolet Wax.

Dwarf Red Flageolet Wax. Pods very large, sometimes 10 to 12 inches in length; entirely stringless, very fleshy, exceedingly tender and succulent; one of the heaviest yielders and nearly always exempt from rust. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Golden-Eyed Wax. This Wax Bean has pods about five inches long, and one-half inch broad, straight, flat and fairly fleshy. A good yielder. Price, pkt. 5c; ½ pint 10c.; quart 25c.; peck $1.75.

Michigan White Wax. A white-seeded Golden Wax Bean with broad, meaty clear white pods of superior quality. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

Hallecroft White Wax. Originated by Mr. Hallenbeck who claims it to be the best all round wax bean now on the market. Beans white, full-eyed. Pods resemble Davis Wax, and hang well up from ground. Are long, half-round, yellow-white and full. Excellent as a string bean. Try it. Pkt. 5c.; pint 20c.; quart 30c.; peck $2.00.

New Prolific German, or Cylinder Black Wax Bush Bean. This is an entirely new and improved strain of the old favorite German or Black Wax Bean, earlier and very productive. Pods perfectly round, straight, long, and of an even, rich golden color. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

Improved Golden Wax. (Rust-proof.) The handsomest and hardiest of all the Wax Beans. Very productive; pods straight, broad, and a beautiful golden wax; quality very excellent. It is also one of the very best green shelled beans and excellent dry. We recommend it to all. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

Improved Golden Wax.

PHILIPPS' POLE OR RUNNING BEANS

CULTURE.—Sow as soon as the soil becomes warm and dry, from the first of May (for all except Limas), to the latter part of May, in hills four feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five beans to a hill, and of the smaller sorts about 200 hills. Poles eight to ten feet long should be set firmly in the center of the hills before putting in the seed.

Horticulture or Speckled Cranberry. Showy and excellent either snap or shell Beans. Pods of medium size, pale green streaked with bright red. Dry beans nearly round, splashed with red. A popular variety. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Dutch Case Knife. White seeded. Pods long, green and flat; can be either snapped or shelled when used; good for pickling. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Scarlet Runner. A popular English pole Bean; very ornamental, producing scarlet flowers; good for snap or green shelled. Pkt. 5c.; ½ pint 10c.; pint 20c.; quart 30c.; peck $2.00.

Seibert's Extra Early Lima. One of the earliest of the large pole Limas and of excellent quality. Vines very hardy and productive; pod thin and flexible and more easily opened than other sorts. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $1.75.

Extra Early Jersey Lima. Very productive and of fine quality. It is especially adapted for planting in districts where the season is too short to produce later ones as it is from twelve to fifteen days earlier than any other of the Pole Limas.

Yield about eighty bushels green pods per acre. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00.

Extra Large or Mammoth White Lima. This is the largest of all the Limas. The pods are of enormous size and contain from five to eight beans. Largely grown and highly esteemed. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00

Tall German Wax (Indian Chief). Black seed, excellent quality, pods of golden yellow which are short, broad, flat and fleshy, maturing in seventy-five days; also good for shell Beans. Pkt. 5c.; ½ pint 10c.; pint 20c.; quart 35c.; peck $2.00.

White Creaseback Pole. Exceedingly productive; in clusters of from four to twelve handsome green pods, six inches long, perfectly round, entirely stringless; very fleshy. Seeds are white, rather small and can be used for baked beans in the winter. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Red Speckled Cut-Short, or Cornhill. An old variety, very popular for planting among corn, and will give a good crop without the use of poles; vines medium, with dark colored, smooth leaves; pod short, cylindrical and tender, bearing beans very close together in the pods. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50.

New Early Golden Cluster Wax. Undoubtedly the earliest pole variety. Only about ten days behind the Dwarf Golden Wax. Although it begins to bear early, it continues until frost. Every one is surprised at its beautiful appearance and productiveness. The pods are from six to eight inches long, borne in clusters of from three to six, and most freely produced; stringless, very tender and of a delicious flavor. Pkt. 10c.; ½ pint 15c.; pint 20c.; quart 35c.; peck $2.50.

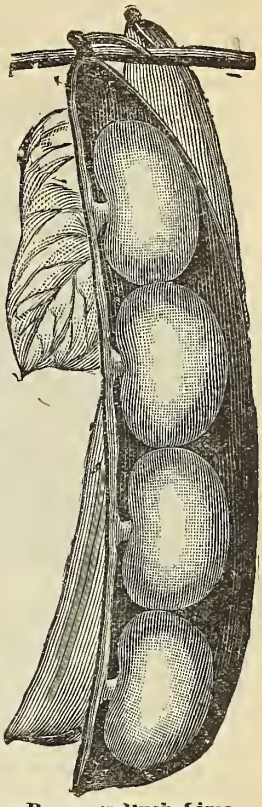
Old Homestead or Improved Kentucky Wonder. The most popular of all pole beans. Vines are vigorous in growth, the pods are immense, often obtaining a length of twelve inches, borne in large clusters. Bright green, very solid and of excellent flavor, being stringless when young. Dried beans are long, oval and fine color; very early and one of the best for general use. Don't fail to have this bean in your garden. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

Lazy Wives Pole Bean. This variety originated in Bucks County, Pa., where for a number of years it has been the most popular Pole Bean grown. Pods are wonderfully broad, thick, fleshy, and above all, entirely stringless. In these respects they surpass any other known. Then, again, the pods retain their rich, stringless and tender qualities until they are almost ripe, so much so, in fact, that we are perfectly safe in saying that they are the best of all snap sorts. It is just the sort to suit wives, as a mess can soon be picked for dinner. Pods are rather flattish, oval shape, and when fully grown are from four to six inches long, exceedingly rich, buttery. and fine flavored when cooked. They are hardy, easily grown and enormously productive. We could furnish hundreds of testimonials from persons who have used the Lazy wives Bean, all claiming it to be the best bean they have ever tried, and many have discarded all other kinds, using this for an early and late snap sort, and also as a dry shell or winter bean; and such is the peculiar taste and flavor of this Bean that we have known many persons who could not be induced to eat other varieties of string beans after tasting Lazy wives, if they could obtain the latter. Pkt. 10c.; pint 20c.; quart 30c.; peck $2.00.

SPECIAL NOTE. Our seed Beans are of the very best quality, being Northern grown, hand picked and tested for Germination and Quality.

New Early Golden Cluster Wax

BUSH LIMA BEANS



Burpee's Bush Lima Bean.

The Bush Limas grow without aid of stakes or poles, in compact bush form, 15 or 18 inches high; produce enormous crops of delicious Lima Beans which can be as easily gathered as the common garden bush Bean. They are earlier than the climbing Limas and bear until frost.

Improved New Burpee's Bush Lima. This is decidedly the best Bush Lima Bean now on the market. It grows more vigorously, with heavier foliage, sturdy bushes and loaded with pods that are truly enormous in size. Sixteen days earlier than other Bush Lima Beans. Pkt. 10c.; ½ pint 15c.; **pint 25c.; quart 40c.; peck** $3.00.

Henderson's Bush Lima. The earliest of the bush Limas, two weeks earlier than any of the climbing beans. It is small in size, but of high table merit, and in favor with housekeepers on account of its delicious flavor and great productiveness. The plant requires no support of any kind. It bears until frost, and a small patch will supply a family. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

Burpee's Bush Lima. A dwarf or bush form of the large climbing Lima. The climbing habit has been almost wholly obliterated, and no poles are required. The pods and seeds are of full Lima size. The common yield is from 50 to 200 marketable pods per plant. The size and luscious flavor of the bean are exactly the same as with the climbing Lima types. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

Wonder Bush Lima. An improvement of Burpee's Bush Lima, being earlier and absolutely dwarf. The plants are upright and compact in growth and completely covered with large pods when ready for picking. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

Kumerle Bush Lima—A Dwarf Variety of Dreer's Improved Lima. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

When Beans are ordered by Mail, Postage must be added to Catalogue prices at the rate of 15c. per quart.

BEETS

For the Table

(One ounce sows 60 feet of drill; 4 to 6 lbs. for one acre.)

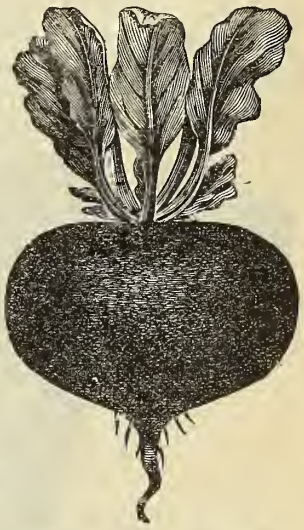
CULTURE.—Sow as early in the spring as the ground can be worked, and every two weeks after for a succession up to the first week in July. For general crop sow about the middle of May. The soil should be light, well enriched with manure, plowed and harrowed until very fine. Sow in drills one foot to fifteen inches apart, and when well up, thin from four to six inches. The young Beets pulled out of the rows are excellent used as Spinach.

Special Note. The Beet Crop this year again short, therefore prices high. The seed we offer is true to name and of high germination.

Crosby's Improved Egyptian, the Best Beet Grown—All Gardeners Should Try It—Our Seed Stock Carefully Selected.

Crosby's Improved Egyptian.—We believe this to be the earliest variety of Beet in existence. It was originated by a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good Beet for bunching, and is very popular with the Toledo market gardeners for this purpose. Our seed stock is first-class and all gardeners should buy it. Pkt. 5c.; oz. **15c.; 4 oz. 40c.; lb. $1.35.**

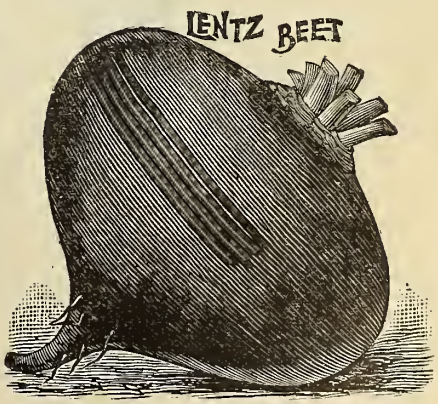
Edmand's Early Blood Turnip.—One of the best Beets grown, being a very careful selection. The roots are of good form, round, with only one single small tap root; the flesh is of a deep blood red color, and very sweet and tender; they can be planted very closely, as they do not grow large and coarse, and have a very small top. It is one of the best for the market gardener and for table use. Pkt. 5c.; oz. **15c.; ¼ lb. 40c.;** lb. **$1.25.**



Edmand's New Blood Beet

Detroit Dark Red Turnip.—A first-class deep red Turnip Beet both for market gardeners and home use. Has small upright growing tops, leaf-stems and veins dark red, blade green, roots globular, smooth, tender and sweet, and remaining so for a long time. **Pkt. 5c.; oz.** 15c.; ¼ lb. 40c.; lb. **$1.25.**

Eclipse.—A very early, smooth, dark, globe-shaped Beet, with small top; in earliness and quality it is excelled by none. A good cropper. We can recommend it highly for market and garden use. Pkt. 5c.; oz. 15c.; **4 oz. 40c.;** lb. **$1.25.**

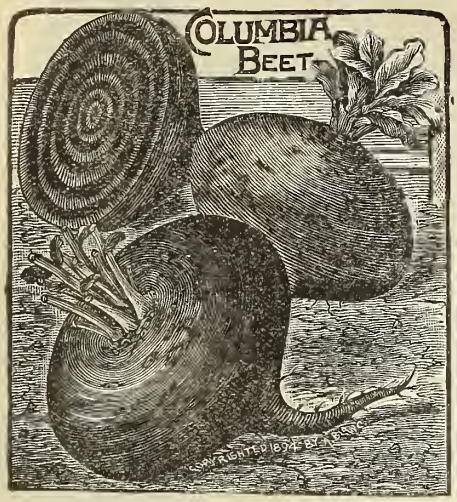


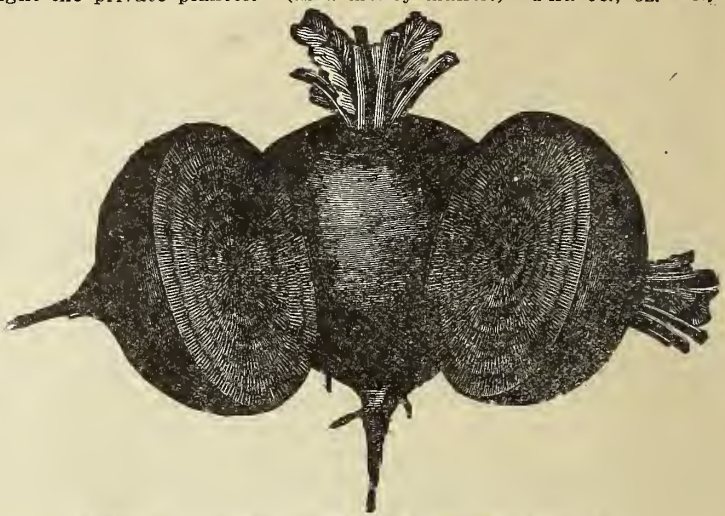
Early Blood Red Turnip.—The old stand-by and a universal favorite. Deep blood color. Good early and late. Pkt. 5c.; oz. **15c.; 4 oz.** 35c.; lb. **$1.00.**

New Half Long Blood.—This is an entirely new and distinct variety, by far the best for summer and winter use. The roots are only half as long as the Long Blood, but weigh as much on account of their thickness. They are always smooth and handsome, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody even in the exposed portions. Pkt. 5c.; oz. **15c.; 4 oz. 40c.; lb. $1.25.**

Improved Early Egyptian.—The standard early market sort; color very deep red; tender and sweet; in form like the Flat Dutch Turnip. Our seed is a special selection of the darkest, earliest and most perfect roots with small tops. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

New Columbia Blood Beet. This is a distinct new Beet of a handsome turnip shape, with smooth skin and deep blood-red flesh of finest quality. Ready to use very early, as soon as the well-known Egyptian, but of better quality. It is remarkably thoroughbred. The tops uniformly small, and of a rich, bronzy color. Is not only of unusual value to the market gardener, but its fine quality will delight the private planter. (Is a money maker.) Pkt. 5c.; oz. **15c.**; 4 oz. **40c.**; lb. **$1.25.**





Improved Arlington, or Rawson's Boston Market Beet.

Improved Arlington, or Rawson's Boston Market Beet. A great favorite, of medium size and a dark, rich, blood-red color. One of the strongest points in favor of this variety is the fact that it does not get bitter and stringy when it is a little old, as is the case with many other varieties, but is sweet and tender at all times. Its grand quality, uniform shape and beautiful color leave nothing to be desired in this grand Beet. Pkt. 5c.; oz. **15c.**; **¼ lb. 40c.**; **lb. $1.25.**

Lentz Blood Turnip. This variety originated with one of the largest market gardeners in Philadelphia. It is as early as the Egyptian, but larger, of a fine, dark red color, a very small top, tender and sweet. It is very productive and a good keeper. Pkt. 5c.; oz. **15c.**; **4 oz. 35c.**; **lb. $1.00.**

Long, Smooth, Dark Blood. A good variety of late Beet, sweet and tender; will keep solid and fresh all winter. Pkt. 5c.; oz. **15c.**; **4 oz. 40c.**; **1 lb. $1.25.**

Swiss Chard, Silver or Sea-Kale Beet. Cultivated for its leaves, which are used similar to Spinach. The midribs are stewed like Asparagus. Pkt. 5c.; oz. **10c.**; 4 oz. 30c.; lb $1.00.

SUGAR BEETS AND MANGEL WURZEL

SUGAR VARIETIES.

From 6 to 8 lbs. of Seed required to the Acre. By mail 8c. per pound extra.

CULTURE.—The seed should be sown from April to middle of June, in drills two feet apart, and afterwards thinned out to stand nine inches apart in the rows. Keep well cultivated and you will have an abundant crop of roots for winter use. The plants can also be replanted like Cabbage.

Sugar Beet. Klein-Wanzleban.

The Sugar Beet industry in this country is growing each year, and first quality seed will be in demand. We import our Sugar Beet Seed direct from Germany and France, so that our customers can depend upon getting first-class seed at rock-bottom prices. Sugar Beets are not such heavy croppers as Mangels, but are of superior quality, containing a large amount of saccharine matter.

The attention of farmers to the growing of roots for feeding stock has increased rapidly, judging from the increased sale of our selected seeds, which now reach several tons annually. The wonderful results are plainly shown in the health and general condition of the animals, and in the increased yield of milk in cows.

The importance and value of this crop to farmers cannot be overestimated, and is fully realized by very few, when the fact is considered that as high as 50 tons of Mangel Wurzel may be grown on a single acre, thus providing fresh and healthful stock food for the winter at so small an outlay.

Klein-Wanzleban. This kind is cultivated on a larger scale than any other Sugar Beet. The root is conical, straight and even, quite large at the head and rapidly tapering. It is a heavy yielder, and contains 13 to 15 per cent. of sugar. Pkt. 5c.; 2 oz. 10c.; ½ lb. **20c.**; **lb. 35c.**

Lane's Improved Imperial Sugar Beet. An improvement on the French Sugar Beet. The most profitable, popular and productive variety of Sugar Beets in cultivation. For feeding cattle, sheep and swine it has no equal. This Beet will yield from 30 to 40 tons per acre, at a cost of 5c. per bushel. It is one of the best adapted to the soil and climate of the United States, and most valuable of any for stock feeding purposes. The Beets grow to a large size, and perfect in shape. Pkt. 5c.; 2 oz. 10c.; ½ lb. **25c.**; lb. 40c.

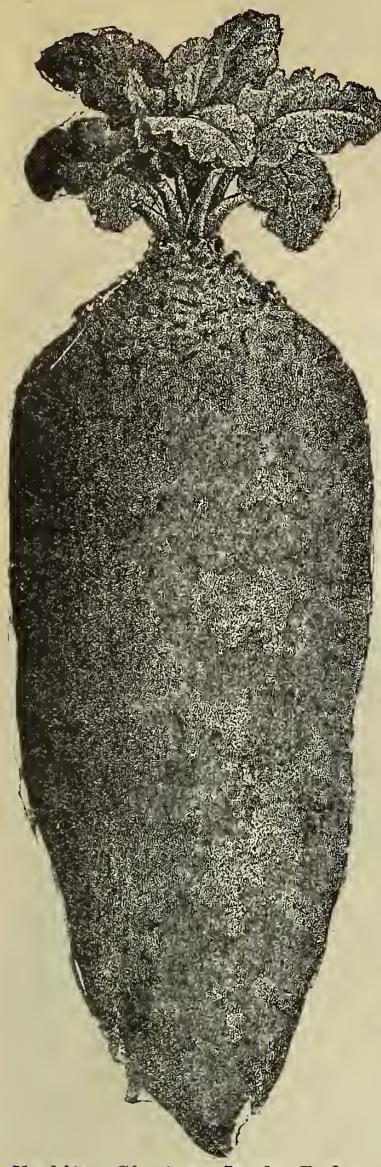
Mammoth Long Red Mangel Wurzel.

Red Rosy Sugar Mangel. This is a new variety that will pay all Farmers and Dairymen to try. Flesh white, firm and very sweet, and greatly relished by cattle. Roots grow well above the ground and easily harvested. Pkt. 5c.; 2 oz. 10c.; ½ lb. **25c.**; **lb. 40c.**

SUGAR BEETS AND MANGEL WURZEL

By mail 8c. per pound extra.

STOCK FEEDING VARIETIES.



Norbiton Giant, or Jumbo Red Mangel.

Growing Mangel Wurzel and Sugar Beet for stock is the grower's best investment. These make the cheapest of food for all kinds of live stock: Cattle, Horses, Sheep, Pigs, Chickens. Two bushels of Mangels are worth as much as one bushel of Corn. Four bushels of Mangels are equal to 100 lbs. of good hay. It is pleasing to receive scores of the most flattering reports from our friends of their great crops of Mangels grown from the seed they bought of us. Our friends may rely upon getting the best seed, grown from the choicest strain and stock in the world. **Send us your order.**

Mammoth Long Red Mangel Wurzel. Very large and productive. Pkt. 5c.; 2 oz. 10c.; ½ lb. 25c.; lb. 40c.

Norbiton Giant, or Jumbo Red Mangel. Stands head above all other varieties of Mangels. Unequaled for yielding and feeding qualities. Thousands of farmers have grown this Mangel and call it the most profitable farm crop they ever tried. If you want a large crop of large Mangels of good quality don't fail to try the Norbiton Giant or Jumbo Red Mangel; enormous cropper. Preferred by many to common Long Red, as its keeping quality is considered better and it is much larger. Pkt. 5c.; 2 oz. 10c.; ½ lb. 25c.; lb. 40c.

Golden Tankard Mangel.

Golden Tankard Yellow-fleshed Mangel. This distinct variety is a most important addition to our list of roots for stock feeding, as it contains less water and more sugar than any other Mangel. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. In England, where it is considered indispensable for dairy farming, large dairy farmers state that they are not only able to obtain a higher price per gallon for milk from cows fed on this Mangel, but also that the cows are in much better condition. Is exceedingly hardy, and matures earlier than other large sorts. Pkt. 5c.; 2 oz. 10c.; ½ lb. 25c.; lb. 40c.

Champion Yellow Globe Mangel Wurzel. For cattle; large and productive; keeps well; is of orange yellow color; very sugary; easily pulled. Pkt. 5c.; 2 oz. 10c.; ½ lb. 25c.; lb. 45c.

BROCCOLI

CULTURE—Same as Cauliflower. This very much resembles Cauliflower in appearance and uses, but is by many considered more delicate.

Broccoli. Large White Mammoth Cape, produces fine large heads, equal in size and quality to the best and largest varieties of Cauliflower. Pkt. 5c.; oz. 25c.

BRUSSELS SPROUTS

CULTURE.—Same as Winter Cabbage. This is a delicious vegetable of fine flavor, allied to the Cabbage family, producing a great number of small heads or sprouts on the main stem of the plant, which are used in the manner of Cabbage. Used and prepared as greens, they are the best in the autumn, especially after frost. Pkt. 5c.; oz. 15c.; ¼ lb. 35c.

RELIABLE CABBAGE SEEDS

SELECTED AMERICAN-GROWN STOCKS THAT MARKET GARDENERS CAN DEPEND UPON.

We are Headquarters for Select and Double Tested Seed.

To Market Gardeners generally no vegetable is of greater importance than the Cabbage, and to many growers the success or failure of this crop means gain or loss for the year. It does not pay, therefore, to take any risk in buying seed. Much of the seed commonly sold has not had the great care necessary in growing to make it reliable.

Our Cabbage Seed is high grade and reliable, because it is sure to head under any circumstances where Cabbage will head. Sure to head because the seed is all carefully grown from selected heads of the very best strains. Our trade increases largely every year among Market Gardeners and large growers, who are very cautious of whom they procure their Cabbage Seed, and well they may be, for it is their most important crop. We especially recommend our Select Very Early Jersey Wakefield, a variety of celebrity for the first early; Henderson's Early Summer, Philipps' Improved Succession, Danish Ball-Head, our Market Gardeners' Large Late Flat Dutch, Philipps' Premium Flat Dutch. **All Seasons. Sure Head.** Philipps' All Head and Autumn King, for general crop.

Our Cabbage Seed is the best that is grown in the United States. We do not touch any cheap seed. Imported Cabbage Seed, of the late sorts except Danish **Ball Head**, Copenhagen Market, will not head in this country.

One ounce of seed produces 1,500 to 2,000 plants and sows an area of about 40 square feet.

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage.

Of the early varieties of Cabbage, in latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October, and transplanted on the first opening of Spring, but in our Northern States they must either be sown in hotbeds in February or wintered over in cold frames; for this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants may run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold frames. In planting it is very important with Cabbage or Cauliflower that the plant is set down to the first leaf, so that the stem is all under ground, for, if exposed, it will be split by the action

of the frost and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April in rows about two feet apart, and eighteen inches between the plants in rows. This earliest crop matures in June. For second early, the early kinds should be sown first week in April and planted out in May. This crop should mature in July and August. The late varieties are usually sown in the early part of May and the plants are set in July at a distance of three feet between the rows, and two feet between the plants. This crop matures September and October.

Select Early Jersey Wakefield.

For Cabbage Worm Use Slug Shot. Read Page 83 for Description of Slug Shot.

FIRST EARLY.

Select Early Jersey Wakefield. Certainly deserving of its great popularity, and is grown for market more extensively than any other early Cabbage. It heads up remarkably hard and solid; the heads are pyramidal in shape, generally pointed at the end, and having few outside leaves. The plants can be close together. The heads are of excellent quality and good size. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.25.

The Charleston or Large Wakefield Cabbage. It is five to six days later than early Jersey Wakefield. The heads are fully one-half larger and quite solid. It is very compact in growth and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury until a favorable opportunity for cutting. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.00.

Early Winningstadt or Cone. An old standard variety; heads of a fair size, conical in shape, very solid; good for early and late. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.00.

Early Summer. The standard for second early. We have an excellent strain of this well-known sort. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $2.00.

Fottler's Early Drumhead or Short Stem Brunswick. A rapid grower, has large solid head and few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.25.

SECOND EARLY.

Copenhagen Market. We are pleased to introduce to our customers this early Ball-Head Cabbage, that we can recommend as a second early quick maturing Cabbage, equally as hard and resembling the Winter Ball-Head you all know so well. We import this seed direct from the originator in Denmark and you can depend upon it. Give it a trial. Pkt. 10c.; oz. 40c.; ¼ lb. $1.25; lb. $4.50.

Genuine Sure Head. This popular Cabbage is rightly named Sure Head. It never fails to make a remarkably fine, solid, large head, with few outer leaves. It originated some years since with a practical market gardener, by crossing the Flat Dutch and Drumhead varieties, and has always brought the highest price in markets. It is a strong, vigorous grower, ripening late for a main crop, and very uniform in size and color. Our supply is grown from original seed, and none better is to be had at any price. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

All Seasons. This strain of Early Drumhead Cabbage we offered to the public some years since, under the broad claim of being about as early as the Early Summer, and growing much larger. Gardeners everywhere say they find our claims are fully substantiated in every particular. As its name indicates, it can be planted at all seasons. It forms a fine large head of superior quality, not bursting after heading; the heads are of great thickness, which makes a capital market sort and good keeper. Pkt. 5c.; oz. 25c.; ¼ lb. 75c.; lb. $2.50.

Philipps' All Head Medium Early.

Early Dwarf Flat Dutch. An excellent second early old standard variety, producing fine large heads after the first early varieties have disappeared. Highly valuable both for its fine quality and ability to resist heat. Heads are very solid, broad and round, flattened on top, tender and fine grained. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Volga. Its uniform heads, short stems and very little foliage are its best recommendations for the market gardener. It is excellent for medium early or late Fall use. Excellent keeper. Pkt. 10c.; ½ oz. 20c.; oz. 30c.; ¼ lb. 75c.; lb. $2.50.

Philipps' All Head Medium Early Cabbage. It is the earliest of all large Cabbages. Is fully one-third larger than Early Summer. The deep, flat heads are remarkably solid and uniform in color as well as in shape and size. Is of fine quality. By reason of the compact habit of growth of the Philipps' All Head Medium Early and the absence of loose leaves, fully one thousand more heads can be obtained to the acre than of most other varieties of good size. Set the plants eighteen inches apart in the rows with three feet between the rows for cultivation, and Nine Thousand Six Hundred and Eighty (9,680) plants can be set on one acre, 95 per cent. of which, in an ordinary season and with good cultivation, will make good merchantable heads. "All Head" is all that can be desired for earliness; it is **also valuable for a late or Winter Cabbage.** To winter well the heads must be deep or thick through—a prominent feature of this variety. Seed of the "All Head" sown in July, and plants set out about the middle of August, will bring heads large and solid. which are sure to winter well. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.00.

Philipps' Lupton Cabbage.

THE LUPTON.

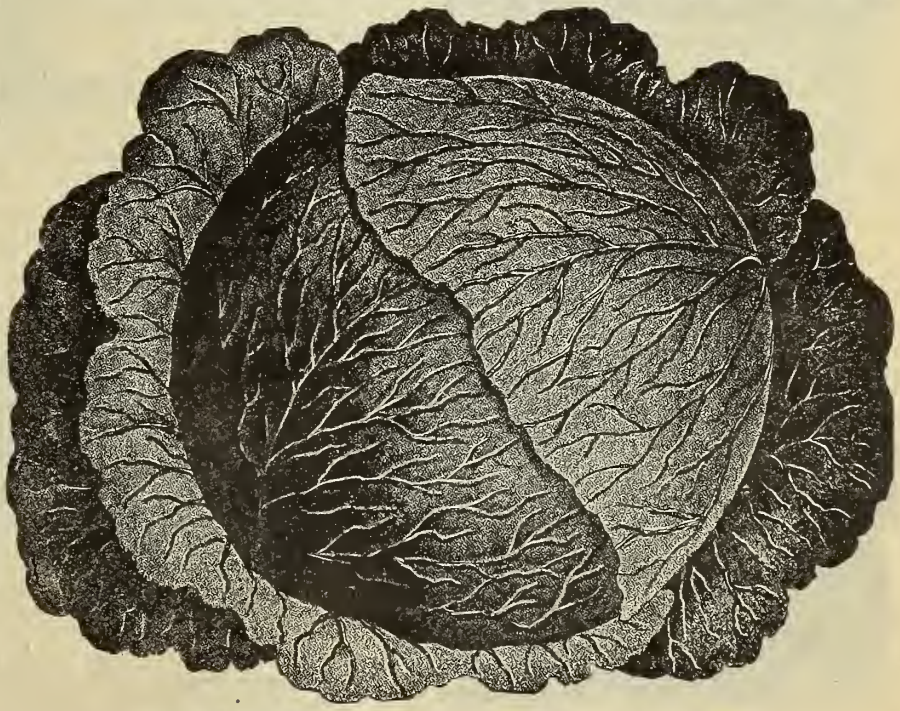
The Greatest Cabbage Ever Offered. A Thoroughbred Late Cabbage That Will in Many Ways Surpass Every Sort Heretofore Grown.

This famous Cabbage was bred and introduced by Mr. Lupton, who is probably the largest individual producer of Cabbage Seed in the world. It was bred from a single early plant of a late variety; is earlier than any of the late sorts, much more uniform in growth, heads more evenly, is of better quality, is not quite so large; can be planted closer, and will give a crop in weight larger than any of them. The heads are unusually deep, similar to the Hollander or Danish. It is a strong, but not a coarse grower; dark green in color, and fine grained; a good keeper. The hardest heading Cabbage ever grown. This is the unanimous endorsement of the best gardeners in America. Intended for a market gardeners' main crop Cabbage. Price, pkt. 5c.; oz. 15c.; 4 oz. 60c.; lb. $2.00.

Hollander or Danish Ball-Head Cabbage. For several years past all the large cities in the United States have been furnished with Cabbage shipped in from Holland. This Cabbage, although of medium size, weighs about twice what our native grown Cabbage does, and is therefore easier to handle when selling by the ton. In order to stop this importation and keep our money at home, we imported the finest strain of this Cabbage grown, and now offer this seed to our gardener friends and patrons. The heads are of medium size, heavy and solid as a cannon-ball and will keep over winter much better than our old standard varieties of Cabbage. Give it a trial. Pkt. 5c.; oz. 25c.; 4 oz. 75c.; lb. $2.50.

Philipps' Improved Succession Cabbage. This new Cabbage we offer is the best Long Island Seed grown from the center shoots of carefully selected solid heads of the very best strain. The Succession is about one week later than the Early Summer, but is double the size and is so finely bred that in a field of ten acres every head was a magnificent, perfect specimen, fit for exhibition purposes. The Succession brings paying prices wherever grown, and may be regarded a boon to the gardening community. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; 1 lb. $2.25.

Toledo Market Gardeners' Large Late Flat Dutch. This strain of Cabbage has worked itself to the front and enormous crops are grown every season around Toledo, and we honestly recommend this strain of Cabbage to all who wish to grow a large, heavy, hard, smooth-leaved, late ripening Cabbage; no strain is superior, and few equal to this. The leaves are feathered to the stalk, slightly fluted or twisted on the outer edges. Color, a clear green with a gray or ashy shade under certain lights. The head is thick, broad, solid and slightly rounded on the top, though the variety is what is termed the flat head. The natural habit of the seeding plants is to develop thick, short, stocky stems. The seed is worth twice the money asked for it, the strain carefully selected to meet the most critical demand. To those who have never grown this splendid type of Cabbage, will say that we have received hundreds of the most flattering testimonials about it. All give it the highest praise, and we recommend it to our friends as one of the best and most productive Winter Cabbages in the country. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.



Our Toledo Market Gardeners' Large Late Flat Dutch.

Improved Autumn King Cabbage.

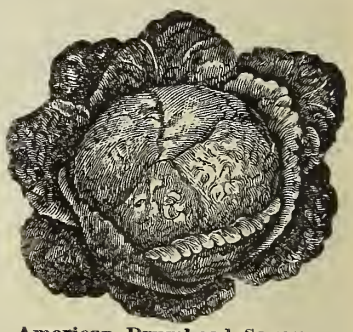
Philipps' Toledo Large Late Drumhead.

Improved Autumn King Cabbage. Has proved itself a peerless variety and is coming into general use. We have no hesitation in recommending it as one of the finest late Cabbages in this country. The Autumn King is an entirely distinct variety and the best keeper ever seen; it produces enormous solid heads of that dark shade of green that is most desirable in a Cabbage, and has such small outer leaves that it can be planted much closer than the ordinary late sorts, and can be relied upon to produce a greater weight of crop per acre from the fact of its producing so few outer leaves and going all to head. We understand that some other seedsmen are offering this same stock of Cabbage under the name of "World Beater," which variety was introduced a few years later as one of the grandest of all Winter Cabbages, which is the case with the Autumn King. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $2.00.

Philipps' Premium Large Late Flat Dutch.

Philipps' Premium Large Late Flat Dutch. As a variety for the main crop and the winter market this has no superior. Heads large, round, solid; broad and flat on the top; they open white and crisp, are tender and well flavored. It is also one of the very best varieties to keep. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Philipps' Toledo Large Late Drumhead. This is one of our standard late maturing varieties. Large, solid head, with very short stem; grows very compactly. Heads frequently attain 20 to 30 pounds. We highly recommend this great Cabbage to all; always reliable as a header and noted for its excellent quality. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.



American Drumhead Savoy.

PHILIPPS' RELIABLE SAVOY OR CURLED CABBAGE

We desire to call special attention to this class, all of the varieties enumerated below being of much finer flavor and quality than the best of other Cabbages. They are particularly adapted for private use, where quality rather than quantity is desired. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Mammoth Rock Red Cabbage.

Netted Savoy. This is the finest of the Savoy class, and a general favorite. Heads large, very solid and compact, a yellowish-green color, and like all others of the Savoy varieties, is of excellent flavor, far surpassing that of any other late Cabbage. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; 1 lb. $1.75.

American Drumhead Savoy. The largest heading Savoy; of excellent flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

RED CABBAGE

Extra Early Dark Red Erfurt. The earliest and finest red. A useful sort for pickling. Pkt. 5c.; oz. 30c.; 4 oz. $1.00; lb. $3.75.

Mammoth Rock Red. The Mammoth Rock is by far the best, largest and surest heading Red Cabbage ever introduced. The plant is large, the head is large, round, very solid and of a deep red color; will average 12 pounds each. Pkt. 5c; oz. 30c.; 4 oz. $1.10; lb. $4.00.

Much Imported Cabbage seed is offered as American at low prices. Our experience is that imported seed of some varieties is worthless.

Note:—We exercise the greatest care in packing Plants for shipment by mail or express, therefore assuring you of their safe arrival.

Plants quoted "by mail" are sent at our expense; "by express," at the purchaser's.

Cabbage Plants. Any of our early varieties ready April 10th. By mail, 100, 75c.; by express, 100, 65c.; 1,000 $5.00.

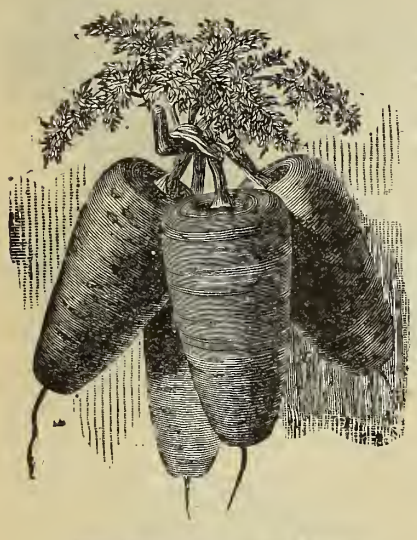
Cabbage Plants. Any of our late varieties ready June 1st. By mail, 100, 75c.; by express, 100, 65c.; 1,000 $3.00.

CARROTS

Sow 1 ounce to 150 feet of drill; 3 lbs. to the acre.

CULTURE.—The Carrot, like all other root crops, delights in a sandy loam, richly tilled. For early crops sow in spring, as soon as ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked by the horse cultivator. As carrot seed is slow to germinate, all precautions must be taken.

Special Note. Our Carrot Seed is all French grown thus assuring you of the Best Seed that can be procured.



Chantenay Half Long Scarlet.

Chantenay Half Long Scarlet. A stump-rooted variety, somewhat resembling the well-known Nantes Carrot, but having a larger shoulder and being much more productive; sweet, fine flavored, almost without a core; very fine grained; excellent for home garden and market. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.

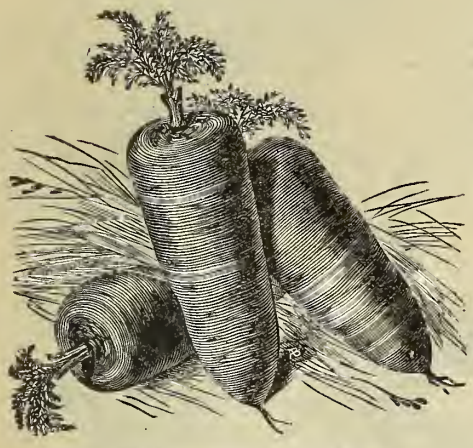
Early Scarlet Horn. Blunt, deep red flesh, tender and delicate; a good early summer sort. Also good for forcing. Pkt. 5c.; oz. 15c.; 4 oz. 50c.; lb. $1.50.

French Forcing. The earliest forcing variety, globe shaped, reddish orange color. Good for bunching. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

Altringham. This Carrot is an immense and sure yielder. Roots are long and large of a fine scarlet color, good flavor and superior feeding qualities. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.00.

Large White Belgian. Very productive kind, grown almost exclusively for stock; grows one-third out of the ground; lower part of root white; that above ground green. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.00.

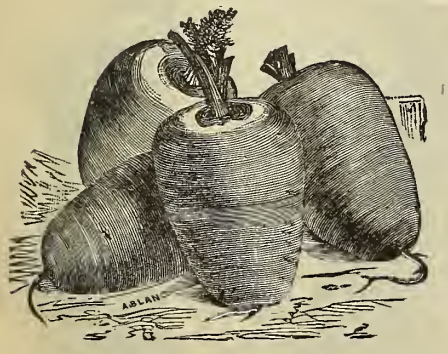
Danvers Half Long Orange. This variety originated where the raising of Carrots is made a special business, twenty to thirty tons per acre being no unusual crop. In form it is midway between the Long Orange and Short Horn. The root is of a rich, dark orange color, and grows very smooth. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.



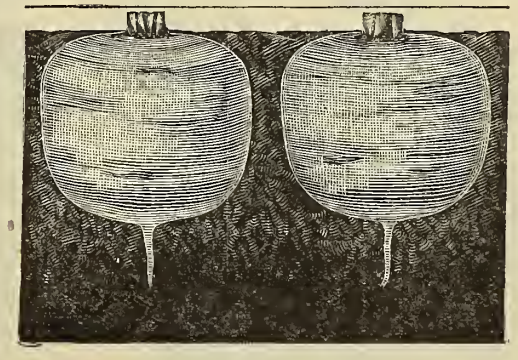
Danvers Half-Long Orange.

Guerande, or Ox Heart Carrot. A very desirable Carrot. In length intermediate between Short Horn and Chantenay; much thicker than either, and carries its thickness well down toward the bottom. In color as dark as Chantenay; is an immense cropper, early harvested, requiring no digging, while its handsome appearance and excellent table qualities make it valuable for either the market or home garden. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.

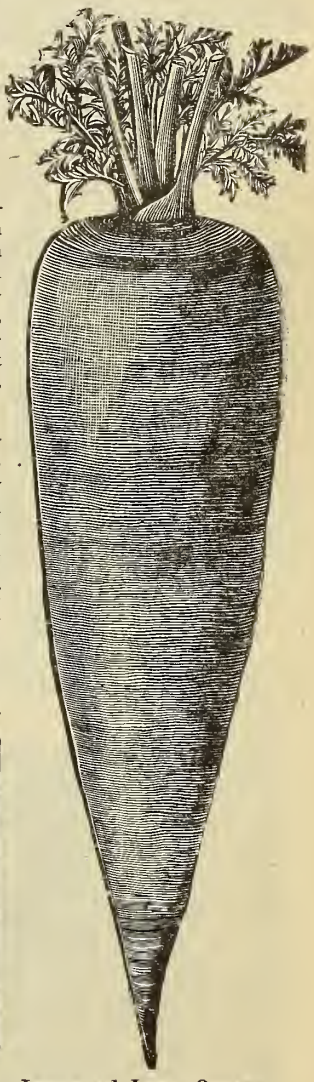
Improved Long Orange. Our Improved Long Orange Carrots, as will be seen by the illustration annexed, are far superior to the ordinary varieties of Long Orange Carrots, and will yield fully twice as much to the acre as the common varieties. In no other vegetable has there been such improvement recently made as in the Carrot, and we claim to have the best strain of Long Orange Carrots there is to be found in this country. We ask our friends to give it a trial, and be convinced of its great superiority. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.



Guerande, or Ox Heart Carrot.



Early Round Parisian Carrot.



Improved Long Orange.

Early Round Parisian. This is a new Carrot of extremely quick growth, making it one of the best forcing Carrots on the market. The root is formed much quicker than the French Forcing. The leaves are short and erect, and while small, are quite long enough for bunching. All who desire a small, early and delicious Carrot, one that will mature as soon as many varieties of Radish, should try this. Price: Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.

CAULIFLOWER

Imported Direct from Our Grower in Denmark. Choice Selected Varieties.

CULTURE.—The most delicate and delicious of all the Cabbage family, and requiring the same culture and treatment, but being more delicate, the good culture and richness of the soil recommended for Cabbage are absolutely necessary for Cauliflower. By sowing the early varieties in the spring in a hotbed or cold frame, or even in an open border, they can be obtained in pretty good season. One ounce of seed will produce about 2,000 plants.

Gilt Edge Snowball. The strain we have of this variety is without doubt the very best to be had. Our stock was grown from the very finest specimens, noted for their earliness, dwarf habit, large size, uniform shape and compact growth. For forcing under glass during winter and early spring, or for planting in the open ground, no stock of Snowball can surpass it. Pkt. 25c.; ¼ oz. 75c.; ½ oz. $1.25; 1 oz. $2.25; ¼ lb. $8.00.

Extra Selected Extra Early Dwarf Erfurt. One of the earliest varieties; small-leaved dwarf, for forcing; producing very solid, pure white heads of the finest quality; about 15 in. high. Do not confound this variety with the cheaper Early Dwarf Erfurt. Pkt. 20c.; ¼ oz. 75c.; ½ oz. $1.25; oz. $2.00; ¼ lb. $7.50.

Gilt Edge Early Snowball

Dry Weather or Danish Giant. The growth is very similar to that of Early Dwarf Erfurt, but with heavier foliage, and is less liable to blight in hot weather, especially in locations subjected to long droughts. Pkt. 25c.; ¼ oz. $1.00, ½ oz. $1.50; oz. $2.50.

Large Late Algiers. A splendid late variety; very popular with canners and market gardeners. Seldom fails to produce large white heads. Pkt. 10c.; oz. 75c.; ¼ lb. $2.00.

Extra Early Paris. One of the earliest varieties in cultivation. Very dwarf; large, white, compact heads of finest quality. Highly recommended; sure heading variety. Pkt. 5c.; ¼ oz. 20c.; ½ oz. 35c.; oz. 65c.; ¼ lb. $2.25.

CELERY

French and American. The Finest and Most Superior Strain of Celery Seed Grown in the World.

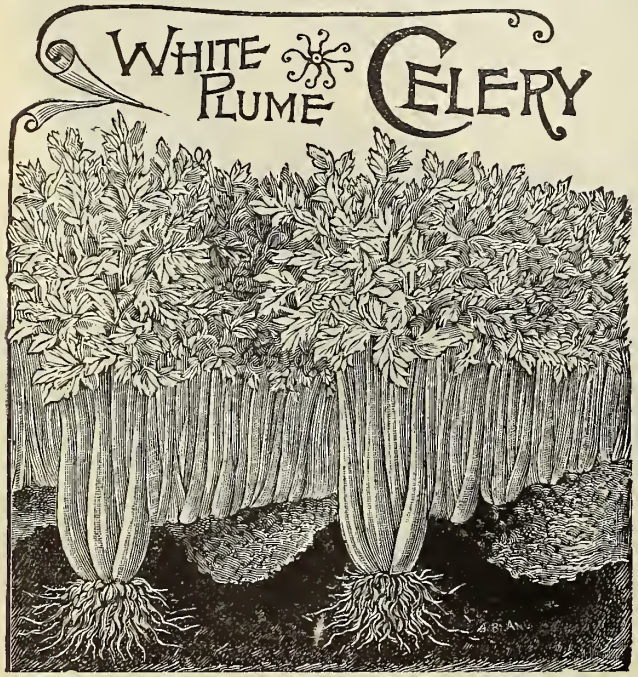
One ounce will produce about 3,000 plants.

CULTURE.—A very popular and now extensively grown vegetable. It can be grown with success in any ordinary good soil, but attains perfection in deep, mellow bottom land. Sow when the apple is in bloom, on finely raked surface and cover scarcely at all, quite early in the spring, in a moist place or convenient to water, which apply freely in dry weather. When the plants are four inches (more or less) in height, transplant a portion into very shallow trenches in well manured land, which planting repeat at intervals of two or three weeks for a succession, until the necessary quantity is set out.

White Plume Celery. The earliest and handsomest, the easiest grown and most profitable for early market. White Plume is self-bleaching; the stalk and portions of the inner leaves and heart are naturally white; needs very little banking up to blanch; crisp, solid and of a nutty flavor, while its white, feather-like foliage places it at the head of all others as a table ornament. Our seed can be relied upon as the "True White Plume." We have made a specialty of White Plume ever since its introduction. Pkt. 5c.; oz. 20c.; ¼ lb. 70c.; lb. $2.50.

Boston Market. A very superior market variety; much esteemed for family and market use and a good keeper. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.00.

New Golden Self-Blanching (Golden Yellow, Large, Solid). Grown for us in France under special contract. French-grown seed of this variety is especially good and much superior to American grown, which latter seed often grows hollow and stringy stalks. This is the best Celery in cultivation, and it cannot be too highly recommended. The plant, with its close habit, compact growth, and straight, vigorous stock, has a beautiful appearance. The ribs are perfectly



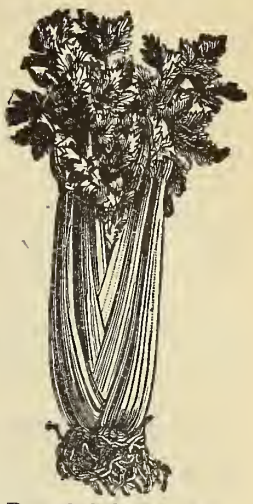
New Golden Self-Blanching Celery

New Giant Pascal Celery.

solid, crisp, brittle and of delicate flavor, surpassed by no other variety, while it has the decided merit of being self-blanching to a very remarkable degree. The heart is large, solid, and of a beautiful, rich golden-yellow color. The leaves also are of a beautiful golden-yellow after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. No variety can surpass, if indeed equal, the Golden Self-Blanching in striking appearance and delicious flavor. Exceedingly popular with every planter. Excellent sort for early planting and a good keeper. Pkt. 15c; oz **$1.50; ¼ lb. $5.00.**

Crawford's Half Dwarf. A great favorite with market gardeners. Early, solid, vigorous growth, and nutty flavor; very ornamental and exceeds many of the larger growing kinds in weight. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Giant White Solid. The best of the large growing sorts and a favorite variety; solid, crisp and tender. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $1.75.



Dwarf Golden Heart.

Winter Queen. Of medium height, but stout, thick and heavy with a larger amount of heart than most others sorts. Of fine quality, and an excellent keeper. One of the best for winter use. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; 1 lb. $2.25.

New Giant Pascal. The latest and best variety of Celery. It is a selection from the Golden Self-Blanching and adds to the general good qualities of its parent, superior keeping qualities. The stalks are very large, thick, solid, crisp, and of a rich, nutty flavor, free from any taste of bitterness. It blanches very easily and quickly, and retains its freshness a long time after being marketed. The heart is golden-yellow, very full and attractive in appearance. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Dwarf Golden Heart. A distinct variety of sturdy dwarf habit. It is solid and an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of light yellow, making it an exceedingly showy and desirable variety for either market or private use. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Perle le Grand. This new Celery is very handsome, stocky, and of close growing, upright habit, with a golden heart. The flavor is sweet and nutty. The stalk is large and heavy, and when bunched makes a beautiful appearance. It blanches easily and can be used early or late. Good winter keeper. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $1.75.

Mixed Celery Seed. For flavoring. Oz. 5c.; ½ lb. 15c.; lb. 25c.

Celery Plants. Ready May 1st. By mail, dozen, 20c.; 100, 75c. By express, 100, 65c.; 1,000, $5.00.

Celeriac.

CELERIAC, OR TURNIP-ROOTED CELERY.

CULTURE.—Sow early in the spring in light, rich soil; transplant in May into beds. Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad. They are also used for seasoning meats and to flavor soups.

Prague Giant. Of fine flavor and large size. Pkt. 5c.; ½ oz. 10c.; oz. 20c.; ¼ lb. 60c.; lb. $2.00.

CHERVIL

Curled. Aromatic herb. The young leaves are used in soups or salads. Sow thinly in May, in drills half an inch deep, one foot apart. Pkt. 5c.; oz. 15c.; ¼ lb. 30c.; lb. $1.00.

CHICORY

Large-Rooted Magdeburg. Roots of this form the Chicory of commerce. Used to mix with or as a substitute for coffee. Cultivation the same as for Carrot. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Witloof (French Endive). Pkt. 10c.; oz. 20c.; 4 oz. 50

CHIVES

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops, which are used whenever the flavor of onion is wanted. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early in the spring, and can be cut throughout the season. They should have a place in every garden. Roots, per bunch, 20c., postpaid.

COLLARDS

True Georgian, or Creole. Excellent for greens; quite extensively grown in the South. Sow for succession from June to August, and treat as Cabbage. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

POP CORN

Queen's Golden. A golden-yellow Pop Corn of distinct color. Ears large and well filled with large kernels that pop perfectly white and often measure an inch or more across. Produces four to six ears to a stalk. Pkt. 5c.; pint 10c.; quart 20c.

Red Beauty. A handsome variety, in size and shape resembling the White Rice, but the grains are of a dark red color. Early and very productive. Pkt. 5c.; pint 10c.; quart 20c.

Early White Rice. This is the old standard variety of Pop Corn, universally known as the best popping Corn grown. All Pop Corn dealers and candy manufacturers buy this variety in preference to any other. Pkt. 5c.; pint 10c.; quart 20c.; peck $1.00; **bushel $3.25.**

SWEET OR SUGAR CORNS

Sold by Weight or U. S. Standard Measure

Do not fail to add postage when ordering Corn by mail in pints and quarts.

GROWN UNDER CONTRACT

The Sweet Corn we offer is grown under contract here in Ohio, and also in Connecticut. Corn grown in these sections is acknowledged by all seedsmen and gardeners to be second to none. We could buy splendid looking Sweet Corn grown in western States, at one-half the price we paid for ours, but we prefer to work for the benefit and interest of our customers as well as our own, even at less profit. Half peck at peck rates.

CULTURE.—The Sweet or Sugar Corn varieties being liable to rot in cold or wet ground should not be planted until May, or when the ground has become warm, and for a succession, plant every two weeks until the last week of July, in hills 2 x 3 feet for the early kinds, and 3 x 4 feet for the large late kinds. Some plant in drills 3½ feet apart and eight inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. Eight or ten quarts for an acre.

Extra Early Adams. The Earliest White Corn; ready for table sixty days after germination. Height of stalk three to four feet; not a Sugar Corn, but a decided acquisition so very early in the season. In large demand among market gardeners. Pkt. 5c.; pint 10c.; quart 15c.; peck $1.00.

Peep o' Day. About 10 days earlier than any other sort of Sweet Corn. Very sweet, and will be highly appreciated by all who try it. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Early Sheffield. A cross between Cory and Adams, and distinctly superior to either variety; as hardy as Adams, which is not sweet, and as sweet as Cory, which is not hardy. It will withstand light frost. Better than Cory in being free from smut. The stalk grows five feet high, and bears two good-sized ears. The ears are handsome, the grains being in ten or twelve rows. The table quality is excellent. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Premo. The best extra early variety. It can be planted early, as the young plants will withstand slight frosts. The stalks are strong and vigorous, growing about 5 feet in height, bearing one or two fine ears to a stalk. The ears are large for so early a variety. The grains are of medium size, well filled to each end of the ear, and of a fine sweet flavor. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Golden Bantam. This is a new and extremely early Sweet Corn. Color deep yellow, very sweet. By reason of the firmness of the grain when thoroughly dry it can be planted as early as the Early Adams, thereby making early market sweet corn. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

New Cory. Extra early. The earliest variety of Sweet Corn known. Has a large ear, considering the size of the stalk and its extreme earliness; small red cob, well filled with broad, deep grains; good quality. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Extra Early White Cory. In all respects identical with New Cory, except color, kernels and cob being white; earliness the same. This removes an objection some have to the Cory on account of its color. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Mammoth White Cory. The largest and best extra early variety of Sweet Corn. The stalks are not much larger than the white cob Cory, and each stalk furnishes two or more large, fine shaped ears before other varieties are ready for market. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Early Minnesota. The standard Market Garden Sweet Corn, ears of suitable size for market purposes, esteemed for its excellent qualities. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Shakers' Early. Ready about the same time as the Early Minnesota, but the ears are much larger; from two to three large ears to the stalk; kernels large, of pearly whiteness and delicious flavor. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Stabler's Early. This corn is of much larger size than usual for such an early Corn; fine flavor. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Philipps' New Wonder Early Sweet Corn. We offer this new Sweet Corn as the New Wonder of all the early varieties of Sugar Corn ever grown. Its great merit is its earliness, large yield, with ears as large as Stowell's Evergreen, with two and three ears to stalk. Kernel pure white, very delicious, sweet and tender and the most wonderful extra early large-eared Sweet Corn ever introduced. We confidently recommend this New Wonder to the market gardeners as a great money-maker, and should be in every private garden. Our supply is limited, and would advise all in want of this choice corn to order early. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Crosby's Early Sugar. Early, great favorite in the market, productive and of excellent quality; ears large; a good canning variety. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

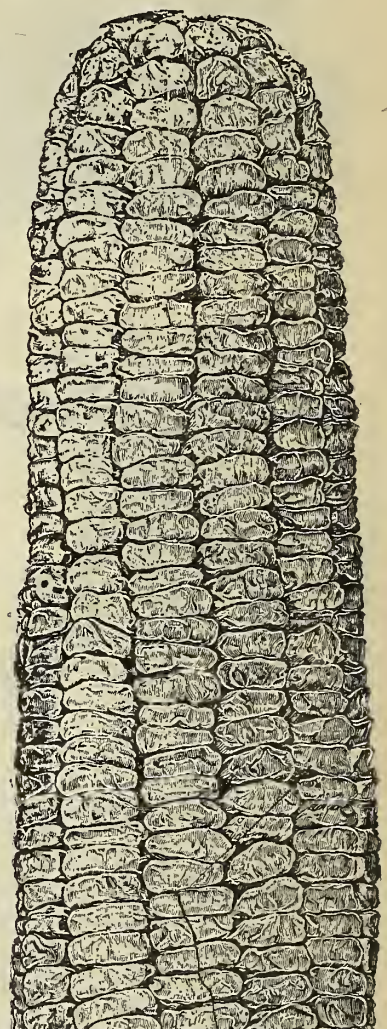
Moore's Early Concord. A good second early. Many gardeners plant it as late as July 1st, as the ear will sell as well as Stowell's Evergreen. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

The Hickox Corn. A large variety, very white, tender and sweet. It grows eight, ten and twelve rowed. A great favorite with those who can corn for market. It ripens about a week earlier than Stowell's. The ears are longer and not quite as thick as Stowell's. Highly recommended. Try it. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Stowell's Evergreen. Grown more extensively than any other variety, being a great favorite with canners and market gardeners for late use. The ears are of large size, kernels very deep, tender and sugary; very productive and remains a long time in fit condition for table use. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

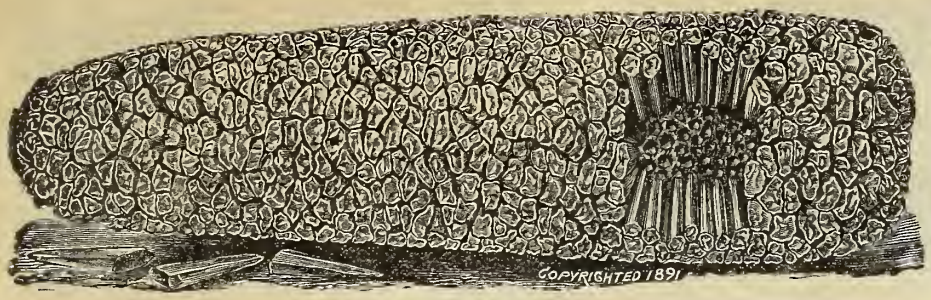
Russell's Prolific. Only a few days behind the earliest. As large as the Evergreen, kernels very large, pearly white and sweet; ears are ten to twelve rowed, large and plump; stalks strong, bearing two or three ears each. Pkt. 5c.; pint 15c.; quart 20c.; peck $1.25.

Black Mexican. A black-grained variety, one of the sweetest of all kinds. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.



Philipps' New Wonder Early Sweet Corn.

Sweet Corn is one of the best paying crops to grow. If it cannot all be disposed of in green state, for table use, the corn in its dry state, also the fodder, is very valuable.



Country Gentleman.

Country Gentleman Sweet Corn. This is one of the finest of all sweet Corns for private table. The shape of the kernels on the cob indicates high quality. The moment your teeth sink into this luscious, milky, tender corn, you will become a complete convert to it, for it will delight the most fastidious epicure. Ears are plump, milky, pearly white, kernels fairly melting in your mouth, retaining its delicate flavor and tenderness even when a little old. Medium early, very productive, each stalk yielding three and often four ears. The Country Gentleman is also the most profitable sort for Market Gardeners and dealers. The ears are enclosed in a heavy husk, which tends to keep the ear in the milk for several days longer than any other corn. The ears average eight to nine inches in length, a very attractive size for table. The cob is usually small, and the pearly white kernels of great depth, of delicious quality and flavor. Don't miss trying it. Price, pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

At Prices Quoted, Postage is Paid on Beans and Corn in Packets Only.

Corn Salad.

CORN SALAD OR FETTICUS

CULTURE.—Sow during August and September, in drills or broadcast. Keep down weeds with hoe. Just before the first of the winter cover thinly with clean straw or leaves. A delicious hardy salad.

Large Leaved. Pkt. 5c.; oz. 10c.; 4 oz. 25c.; lb. 75c.

CRESS

CULTURE—Sow thickly in shallow drills every two or three weeks. Cut often—it will continue to grow. Useful as a salad, for breakfast table and garnishing. True Water Cress should be grown in damp soil; if a stream of water could be utilized it would be much finer; will also thrive in damp hotbeds.

Curled or Pepper Grass. Pkt. 5c.; oz. 10c.; lb. 50c.

Broad Leaved. Pkt. 5c.; oz. 15c.; lb. 75c.

True Water Cress. Pkt. 10c.; oz. 30c.; lb. $3.00.

CUCUMBER SEED

Growers of Large Quantities of Cucumbers Should Write to us for Special Prices.

One ounce for Fifty Hills. Two pounds for an Acre.

CULTURE.—For very early sow seeds in hotbeds upon pieces of sod, or in small pots, and they can be readily transplanted, with a gain of about six weeks before they can be sown in the open ground. Plant out in rich soil, when danger of frost is over. For general crop sow in open ground as soon as the weather is settled and warm, and again every two weeks for a succession. For pickles, sow from the middle of June to the first week in August.

SLUG SHOT IS DEATH TO THE BUGS

Toledo Market Evergreen White Spine.

Rawson's Hothouse. Grown by us from Rawson's original stock seed. As a forcing cucumber it is the largest and most profitable crop of the Market Gardener. Pkt. 10c.; ½ oz. 30c.; oz. 50c.; ¼ lb. $1.50; lb. $5.50.

Early Russian. Earliest in cultivation, hardy, prolific, only about three inches long; fine for pickles; unsurpassed for table use; remarkably solid, with very few seeds and of best quality. Pkt. 5c.; per oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Philipps' Everbearing. Small size very early and enormously productive, and valuable as a green pickle. Pkt. 5c.; oz. 15c.; ¼ lb. 30c.; lb. $1.00.

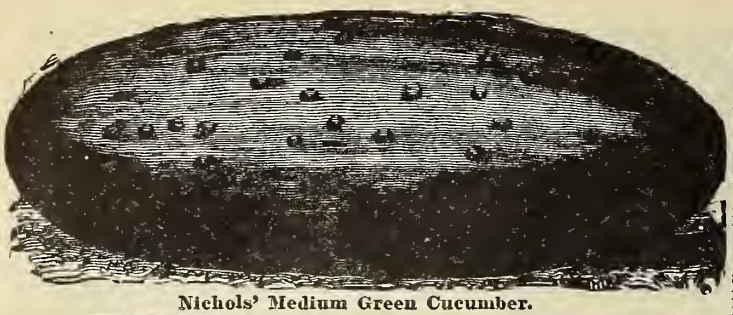
Extra Early Frame, or Early Short Green. Although often sold under each name as different varieties, both are one and the same Cucumber. Productive, of vigorous growth, early fruits of medium size, straight and well formed; popular for both table use and pickling. Pkt. 5c.; oz. 10c.; ¼ lb 30c.; lb. $1.00.

Improved Extra Early White Spine.

Early Green Cluster. Fruit small and in clusters; valuable for pickles. Pkt. 5c.; oz. 10c.; ¼ lb. 30c; lb. $1.00.

Toledo Market Evergreen White Spine. A new and improved strain of the well-known White Spine, and fast becoming the favorite with market gardeners both for forcing and outdoor culture. It differs from the ordinary White Spine in the fact of always remaining a deep green color in all stages of growth. Altogether it is a most welcome and valuable acquisition for pickling, market or home use, and should be tried by all who have a garden. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.

Improved Extra Early White Spine. For both market use and pickling this variety is now more largely grown than any other, and is very much superior to the old White Spine. Our stock is grown from the true Boston strain. **Pkt. 5c; oz. 10c; ¼ lb. 30c;** lb. **$1.00.**



Nichols' Medium Green Cucumber.

Nichols' Medium Green Cucumber. This new Cucumber is worthy of the first place among pickle sorts, second to none as a slicer, and very good for early forcing purposes; in color dark green; flesh crisp and tender; productive, medium in size, always straight and smooth; a real handsome, good variety. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Long Green Improved. Long, crisp, and a popular and reliable variety for pickling and slicing for table; good for general crop. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Extra Green Prolific Pickling. One of the best for pickling; dark green, very productive and of uniform small size; very few seeds. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. $1.00.

Boston or Jersey Pickling. A favorite eastern sort of fine quality, medium length; reliable variety for pickling and slicing. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. $1.00.

Extra Green Prolific Pickling.

Extra Long White Spine or Evergreen. This variety often grows to exceed twelve inches in length. Very smooth, straight and handsome; is quite early, very prolific, of a dark green color in all stages of growth, crisp, tender and free from bitterness. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.

Boston or Jersey Pickling.

The Emerald. A new Cucumber of good quality that holds its color long after being pickled, and is almost free of warts and spines; good for forcing and shipping. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Japanese Climbing. A real climbing Cucumber for small gardens on poles and trellis. Fruit throughout the season. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.50.

Arlington. For market use this Cucumber is unsurpassed and is now largely grown by all market gardeners. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. $1.00.

Small Gherkin. Very small burr; used for pickles. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.50.

Chicago Pickle. Medium size, pointed at both ends, color deep green, spines prominent; a prolific bearer. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Davis' Perfect Cucumber. A sure money-maker for those engaged in growing Cucumbers under glass "for profit," as well as for the market gardener to grow out of doors. This Cucumber holds its color and brittleness long after being cut and makes the best all around shipping Cucumber on the market. This is a very early Cucumber and none better for table use. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Davis' Perfect Cucumber.

Cool and Crisp. A strain of White Spine, somewhat like the Arlington, but longer and more cylindrical. It is early, and continues in bearing the entire season. Good for table use. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

DANDELION

Improved Large-Leaved. A very early and healthy spring salad. Sow early in the spring in drills eighteen inches apart and thin out to six inches in the drills. Pkt. 10c.; oz. 50c.; ¼ lb. $1.25; lb. $4.50.

EGG PLANT

One ounce will produce about one thousand plants.

CULTURE.—Sow early in the hotbed. When plants are three or four inches high, transplant two feet apart in rich, warm, dry soil. Cultivate same as Cabbage.

TO COOK. Cut the slices one-fourth to one-half inch in thickness; pare off rind; put into dish with a layer of salt between the pieces, beginning with a layer of salt at the bottom of dish. Let stand three or four hours, then wipe each slice dry with a cloth; fry in a batter of eggs and flour; season to taste and you have an excellent dish.

New York Improved Large Purple. The best variety in cultivation; **contract grown.** Being early, a sure cropper, and of fine quality. Fruit very large, oval, deep purple; flesh white and tender. Pkt. 10c.; ½ oz. 20c.; oz. 35c.; ¼ lb. $1.25.

Early Black Beauty. This Egg Plant is an improvement of the above by reason of its being earlier and bearing more fruit. Pkt. 10c.; ½ oz. 20c.; oz. 40c.; ¼ lb. $1.50.

Egg Plants. Ready May 1st. By mail, doz. 25c.; 100, $1.00. By express, 100, 75c.; 1,000 $5.00.

New York Improved Large Purple Egg Plant.

ENDIVE

CULTURE.—For an early crop sow in April. For general crop sow in June or July; cover lightly. When up, thin out to eight inches apart. When the leaves are six or eight inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air or they will rot.

Green Curled. Best for general crop, for early and late use, crisp in quality, hardy. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

White Moss Curled. Very beautifully curled; for early season, fine flavored. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

Broad-Leaved Batavia. Has broad, thick, slightly wrinkled leaves; pale green and good keeper. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

Giant Fringed. A strong growing variety, with a large white heart and broad stems; good for fall and winter. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

White Curled Endive.

GOURDS

See Flower Seed Department of this Catalogue, page 55.

Dwarf German Curled Kale.

KALE, OR BORECOLE

CULTURE.—Sow from the middle of April to the beginning of May in prepared beds; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are extremely hardy and are best when touched by frost.

Curled Tall Green Scotch. Hardy; best after frost. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. 75c.

German Dwarf Green Curled. Very fine; light green. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. 75c.

German Dwarf Brown Curled. Very hardy. Pkt. 5c.; oz. 10c.; 4 oz. 35c.

Leek. Large Improved London Flag.

KOHLRABI

ABOVE-THE-GROUND OR TURNIP-ROOTED CABBAGE.

Kohlrabi.

CULTURE.—When young and tender they are fine for table use; when matured they will keep well, and are excellent for winter feeding to stock. For early use sow in hotbeds; transplant and cultivate like early Cabbage. For winter use sow the middle of June or first of July, in rows ten inches apart. One ounce of seed for 1,500 plants.

Early White Vienna. Flesh white and tender; excellent forcing variety. Pkt. 5c.; oz. 20c.; 4 oz. 60c.

Early Purple Vienna. An excellent sort, later than the White. Pkt. 5c.; oz. 20c.; 4 oz. 60c.

LEEK

One ounce will produce 1,000 plants.

CULTURE—Sow early in spring, in drills six inches apart and one inch deep. Thin out to one inch. When about seven inches high, transplant them in rows twelve inches apart, and as deep as possible, but do not cover the young center leaves. Water thoroughly, if dry when planted out. Draw earth up to them as they grow. Very rich soil is required. Take up and store in earth in a cool cellar before winter weather.

Large Improved London Flag. An old standard. Broad leaves of strong and vigorous growth; hardy. Pkt. 5c.; oz. 15c.; 4 oz. 50c.

Large Musselburgh, or Scotch Champion. Of enormous size. Leaves broad and tall, spread like a fan; hardy, and of excellent quality. We highly recommend this. Pkt. 5c.; oz. 15c.; 4 oz. 45c.

LETTUCE

One ounce of seed for 2,500 plants.

Lettuce, the most used of all salads, is of very easy culture; every gardener and garden spot should have a plentiful supply. With but little trouble and proper selection of varieties, it can be had the whole year round, while no other salad is so appetizing or more wholesome. The different varieties find ready sale every month in the year.

CULTURE.—To have fine Lettuce in early spring, sow in seed-bed from commencement to middle of autumn. Protect the plants by a cold frame or with litter, as they stand on the ground. Early in the spring transplant them into rich ground. Or in early spring sow in hotbeds and transplant. For a later supply sow in drills from time to time, during spring and summer; when up a few inches thin out, leaving plants at proper distances; this is better than transplanting late in the season.

Philipps' Early White Cabbage Lettuce.

Grand Rapids Forcing. Being often disappointed in getting the genuine stock of this grand Lettuce, we have for several seasons been growing this seed here at home, and we recommend the same as pure and reliable. There is nothing superior, if it has any equal, for growing under glass; it requires less care, will grow more weight in the same space, is not liable to rot, and will keep longer without wilting than any other variety; is of fine appearance, crisp and tender. It is also valuable for outdoor growing. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

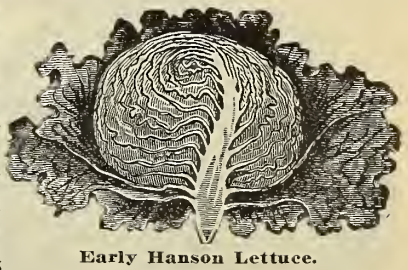
Philipps' Early White Cabbage or Butter Salad. This is our leading standard sort; heads large, solid, close and well formed, very tender, crisp and of excellent flavor, and always free from bitterness. Desirable for forcing and for out-of-doors. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Iceberg. For several seasons we offered this beautiful Lettuce to our customers, and all, so far as heard from, are highly pleased, and regard it worthy of general cultivation. The large curly leaves are of a bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The quality is simply perfect. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

New Silver Ball Lettuce.

New Silver Ball. This lettuce produces a beautiful head, very firm, solid and compact, with handsomely curled leaves. The head is of an attractive silvery white color, very rich, buttery, and of most delicious flavor. Early, and stands a long while before running to seed. An excellent variety, both for early spring and summer use. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Early Hanson. Improved hard-heading stock. Forming fine, large, solid heads, which are both crisp and tender. They frequently attain two to three pounds each. We regard it as a very valuable variety. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.



Early Hanson Lettuce.

Tennis Ball. (White Seeded.) A favorite forcing variety, forming a hard head. Can be planted quite closely under glass. Largely used in hotbeds and greenhouses; very hardy. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Denver Market. This novelty in Lettuce forms beautiful large, solid heads, of a delicate light green color. The leaves are blistered like a Savoy Cabbage, most attractive in appearance. It is very tender, of excellent flavor, grows quickly; is good to grow early in the open ground, yet is slow to run to seed. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Big Boston. This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A desirable variety either for forcing in cold frames or open ground planting. The "Big Boston" is sure to be wanted by market gardeners and truckers, because it always produces large, solid, salable heads, and will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.

California Cream Butter Lettuce.

Black Seeded Simpson. Like the Curled Simpson, this variety does not properly form a head, but it is lighter in color, the leaves nearly attaining double the size of the Curled Simpson; it is well suited for forcing and it is one of the best for market gardeners. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Boston Market. This is an improved variety of the Tennis Ball, and attains a large size. It grows very compact; is white and crisp; one of the best varieties for forcing or outdoor growing. Try it. Pkt. 5c.; oz. 10c.; 4 oz. **35c.; lb. $1.25.**

New Salamander. For summer use, forming good sized, compact heads; color light green outside, white on inside; withstands heat. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00

Prize Head, or Early Brown Cabbage. Bronzed, curled. New sort. A half cabbage variety of bronze-edged leaves; a beauty. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Wonderful. A very large green Lettuce with solid heads, often weighing three to four pounds each. Not suited for forcing, but excellent for summer use, being slow to come to seed. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

California Cream Butter Lettuce. This forms round solid heads of good size. The outer leaves are green, marked with small brown spots; the inner portion is a rich cream yellow and of a rich buttery flavor, is medium early; an excellent Summer Lettuce; slow to go to seed. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Early Curled Silesian. A cutting variety; earliest for outdoor planting. Does not head; affords good flavored salad long before the cabbage varieties have commenced to head. Color almost golden. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Early White-Seeded Curled Simpson. This variety does not head, but forms a compact, close mass of leaves; for forcing and early outdoor sowing. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

All the Year Round. Good for spring or fall planting. Bears the heat of midsummer well; also valuable for forcing. One of the best for market. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Improved Deacon. One of the most reliable of all large heading lettuce for market to plant in the open ground. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

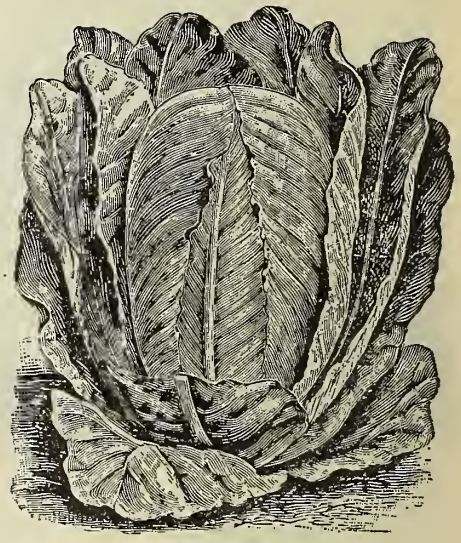
COS LETTUCE.

These are of distinct growth and esteemed for their fresh crispness and mild flavor during the summer and in warm climates. When the plants do not "head" naturally during very dry weather, the tips of the leaves may be gathered together and loosely tied, which will blanch the interior.

Eclipse or "Express." This is the most dwarf and earliest of all. The plants grow stiffly erect, only six to seven inches in height and are "all-head," even when grown without tying. The outer leaves are dark green, quite broad, and distinctly rounded at the top; they are incurved and closely folded. The interior leaves are almost pure white, very crisp and mild in flavor, even in hot weather. Pkt. 5c.; oz. 15c.; 4 oz. **40c.;** lb. $1.25.

Paris White Cos. This variety grows to very large size, producing long, pointed, compact bunches. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

OUR LETTUCE AND MELON SEED ARE CONTRACT GROWN A YEAR IN ADVANCE OF SALES, FROM THE MOST RELIABLE GROWERS IN THIS COUNTRY, AND OUR CUSTOMERS CAN BE ASSURED OF THE BEST SEED MONEY WILL BUY.



Cos Lettuce.

Rocky Ford Musk Melon.

MELON

MUSK OR CANTALOUPE.

One Ounce of Seed for Sixty Hills; 2 to 3 lbs. for an Acre.

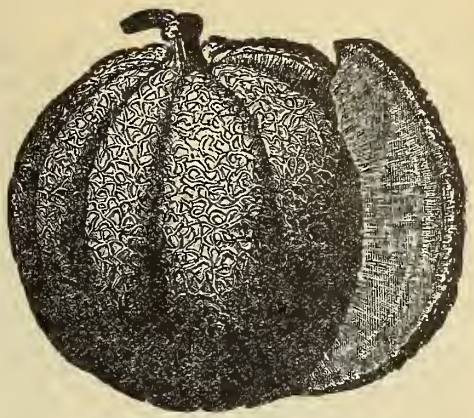
CULTURE.—Select a light, sandy soil, and after all danger of frost is over and the ground has become warm and dry, plant in hills four to six feet apart each way, six to twelve seeds to the hill. When up and all danger of insects is past, pull out all but three plants. Cultivate until the vines cover the ground, and pinch ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road dust is excellent to sift over the young plants when the dew is on to prevent the attack of insects. A few hills for early fruit may be had by sowing in hotbed on pieces of sod or in pots. The seeds may also be started out of doors, under hand frames or glasses.

Rocky Ford. (Green flesh.) The most popular of all Musk Melons for marketing in baskets. Fruit small, oval, slightly ribbed, densely covered with netting. Flesh thick, green, very sweet and highly flavored. This is the Melon of the West and so eagerly sought for by hotels and restaurant landlords. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; **lb. $1.00.**

The Hoodoo. Unlike its unpropitious name, this muskmelon is one of the best of recent introductions. It is early and prolific. The fruit is of medium size; the seed cavity very small; the rind very thin indeed; and the edible fleshy part very thick and meaty. It is of orange or salmon color, the type much preferred now. But its great charm is its flavor which is **par excellence.** We have seldom had such enthusiastic reports from any vegetable novelty as from the Hoodoo Muskmelon. It will pay you to try it. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. **$1.25.**

Extra Early Hackensack. (Green flesh.) This valuable variety is ready for market fully ten days ahead of the well-known Hackensack, which it much resembles in shape and quality. The melons are of good size, weighing from 5 to 10 pounds each; excellent for market and private garden. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.00.

Admiral Togo. This is an orange fleshed Netted Gem or Rocky Ford. We have developed in the Admiral Togo a small musk melon with the very thick orange flesh and splendid quality, and possessing the characteristic netting, shape, size and shipping quality of Netted Gem or Rocky Ford. Combining all the good qualities of these two fine varieties we believe the Admiral Togo is an ideal table and basket melon. Pkt. 5c.; oz. 10c.; ¼ lb. 40c.; lb. $1.25.



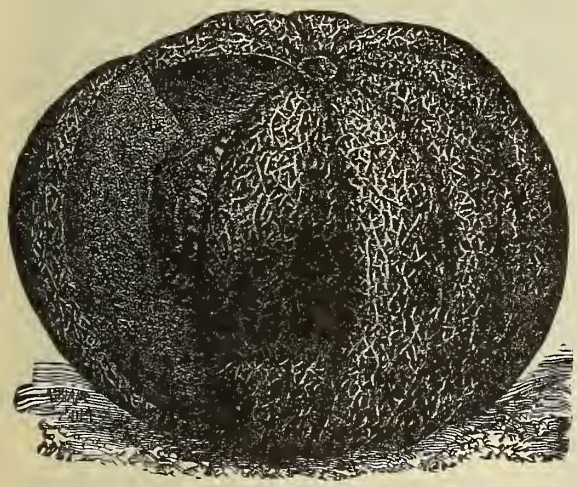
New Extra Early Hackensack.

Extra Early Citron Nutmeg. (Green flesh.) The first in the market, the largest of the very early. A decided acquisition among the Cantaloupes. Ten days earlier than any other, fair size and fine flavor. A variety which for its early maturity will be found profitable by all market gardeners; also in the private garden till others come into condition. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Paul Rose. (Salmon flesh.) This new Melon is a cross between Osage and Netted Gem, combining the sweetness of the former and the netting of the latter. It is a salmon fleshed, small sized Melon and surpasses all others as a shipper and long keeper. It has thick flesh and small seed cavity, and is bound to rank first as a market gardeners' favorite. Do not fail to buy some seed and give it a trial. Pkt. 5c.; oz. 10c.; 4 oz. 40c.; lb. $1.25.

Burpee's Netted Gem. (Green flesh.) This new variety of recent introduction has met with large sale. Its great earliness, distinct, handsome appearance and productiveness have made it a favorite with all who gave it a trial. The whole crop averaged the past two seasons ten melons to a vine on good ground. Pkt. 5c.; oz. 10c.; ¼ lb. 40c.; lb. $1.25.

Emerald Gem. (Salmon flesh.) Medium size, nearly round, flesh a delicate light salmon color, very thick, fine grained and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted; very early and one of the best for home use. Pkt. 5c.; oz. 10c.; ¼ lb. 40c.; lb. **$1.25.**



Toledo Early Market.

Banana. This variety gets its name on account of the long fruits having a banana-like aroma. The fruits are from fifteen to twenty inches in length, and from four to six inches in diameter. The salmon flesh is thick and of a delicious flavor. Per **pkt. 5c.; oz. 15c.; ¼ lb.** 50c.; lb. $1.50.

Toledo Early Market. (Green flesh.) This fine Melon has been in our market for many years, cultivated and sold by our market gardeners of long experience, especially successful as Melon growers, in which no little skill is required, as market men well know. Is a type of the famous Chicago Market Musk Melon, equal to it in quality, which we hold to be of the very sweetest, and much larger and very productive. It is decidedly ribbed, extra well netted, with very thick green flesh. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.

Montreal Market. (Green flesh.) Excellent variety of the largest size. We have had them weighing twenty pounds. In shape almost round, flattened at both ends, deeply ribbed, skin green and netted, flesh green. Pkt. 5c.; oz. 10c.; ¼ lb. 40c.; lb. $1.50.

Tiptop. Smooth skin. Flesh yellow and very sweet. An excellent shipper and a tiptop Melon in every way. Pkt. 5c.; oz. 10c.; ¼ lb. 40c.; lb. $1.50.

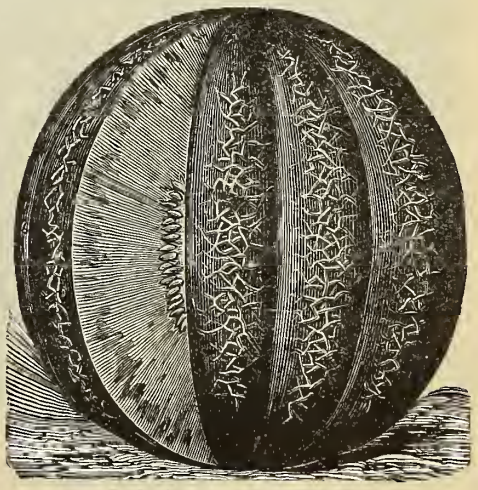
Baltimore Nutmeg Cantaloupe, or Acme. A Melon of high repute in Philadelphia and Baltimore. Is showy, pointed at both ends, strongly netted, green fleshed, fine flavored, productive and a good shipper. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.00.

Miller's Cream or Osage. (Salmon flesh.) Ranks high as a market Melon, either for home or shipping. The flesh is of a rich salmon color, very sweet and melting, and so thick that the Melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive, and covers the ground with beautiful solid fruit. This Melon is undoubtedly one of the best flavored and most profitable for market or private garden. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.25.

Burrell's Gem. (Salmon flesh.) Nearly round in shape, with heavy netted dark green skin, flesh of a rich salmon color, and thicker than in any other Melon, very sweet and luscious in flavor, ripens early and grows to good size. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.

Mango Melon. Also called Vegetable Orange and Vine Peach. The fruit is the size and color of a medium orange. They are wonderfully prolific. Used as pickles, preserves, etc. Pkt. 5c.; oz. 15c.; 4 oz. 50c.

Musk Melon Seed in Mixed Lots of 5 pounds, 10 cents per pound less.



Miller's Cream or Osage.

WATER MELON

THE BEST FRUIT THAT GROWS.

One ounce will plant about 50 hills, and 4 pounds will plant an acre.

CULTURE.—Treat the same as Musk Melon, except that they should be planted eight or ten feet apart, according to variety.

Kolb Gem. Extra Northern grown. Large, bright red flesh, of fine quality and a good shipper. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Peerless Improved. Of medium size, thin rind, light mottled green, flesh bright scarlet, solid to center, crisp, melting and sweet as honey. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Improved Ice Cream. (White Seed.) Rind light green, flesh scarlet, solid and delicious, enormously productive, of unexcelled quality. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Phinney's Early. The first to ripen, and of fine quality, red flesh. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

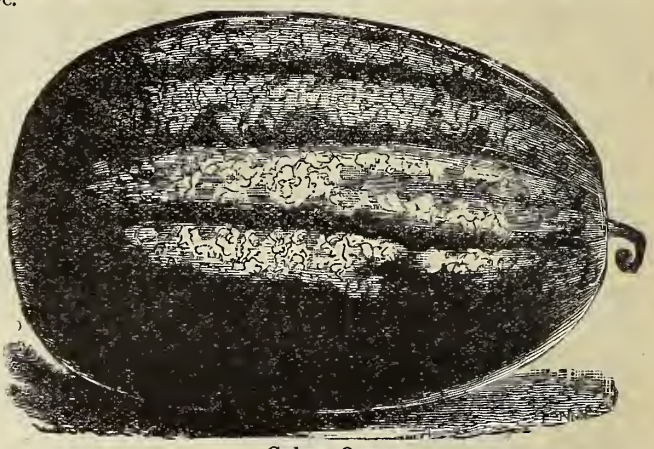
Black Spanish. Large, roundish, nearly black, dark red flesh, early. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 65c.

Cuban Queen. Selected. This magnificent and distinct Melon is certainly one of the largest and finest varieties ever introduced. Try it. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

The Boss. The most delicious. A new, handsome, early, oblong variety, of nearly the same thickness throughout, skin very dark, flesh deep scarlet, sugary, melting, and of excellent flavor. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Improved Mountain Sweet. Oblong, dark green, rind thin, flesh red, solid, sweet. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Improved Long Dixie. Selected. A new Water Melon of excellent merits and recommended as the best shipping Melon grown, being larger, earlier and more productive than the Kolb Gem, which has heretofore been considered the best Melon for shipping. It is of very fine appearance, a darker green than the Kolb, more beautifully striped. Longer and extremely hardy; its eating quality is unexcelled. We have the genuine stock. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60.



Cuban Queen

Hungarian Honey. A perfect globe-shaped Melon of medium dark green color, sweet as honey. A first-class market garden Melon; very early; flesh brilliant red. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Sweet Heart. Has no equal as a shipping Melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled, very light green, rind thin, but firm; flesh bright red, firm, solid, but very tender, melting and sweet. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Kleckley Sweets. (White Seeds.) A large, oblong Melon, very sweet and sugary; dark green skin, very thin rind, flesh bright scarlet with broad, solid heart. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Halbert Honey. (White Seeded.) A quick growing, oblong, dark green skinned Melon, resembling the Kleckley Sweets. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Fordhook Early. New, of late introduction; an extra early sort of large size, averaging in weight 35 pounds; excellent quality. Do not fail to try same. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Blue Gem, Iceberg or Harris. The Melons are uniformly large, of thick oval shape; skin mottled green and white; seeds black; rind very strong and therefore makes an excellent shipping Melon. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Gray Monarch, or Long White Icing. The skin is of an attractive mottled very light green color. The flesh is deep red in color and of very fine quality—fully equal to the popular Round Light Icing. In size, this variety is larger, being of long form, and has been raised to weigh fifty to sixty pounds each. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

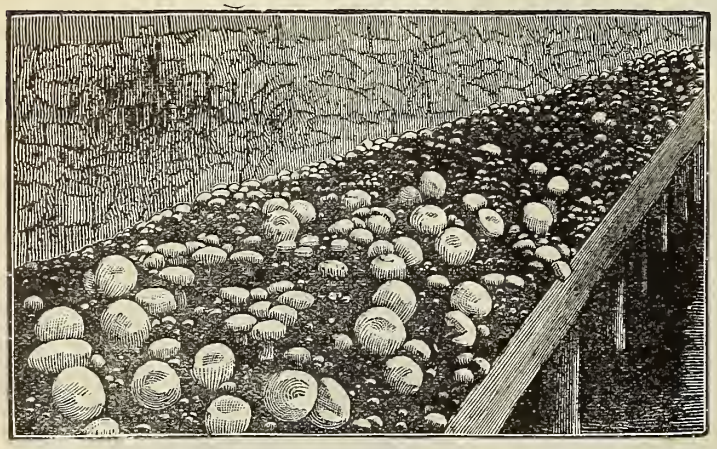
Black Boulder, or Black Diamond. A round, very dark-green Melon with bright-red flesh and black seeds. It is similar to old Black Spanish, but supersedes it in every way. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Preserving Citron. (Red Seed.) Used in making sweetmeats and preserves; flesh solid, white. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Lots of five pounds and upwards, 10 cents per pound less.

MUSHROOMS

AMERICAN PURE CULTURE MUSHROOM SPAWN



This Spawn is made from Virgin Spawn which is produced by scientific methods directly from carefully selected Mushrooms.

CULTURE.—Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 or 60 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add 3 bushels of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 or 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days, then cover the bed with two inches of fresh loam, which moisten well with **hot water,** and over this put four or five inches of hay or straw and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil moistened with warm water and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One brick of spawn is sufficient for a bed 2 by 6 feet. Single brick by mail postpaid, 35c. By express (charges not paid): 10 bricks **$1.80; 50 bricks $7.50; 100 bricks $14.00. Single brick in store, 25 cents.**

MUSTARD

Black or Brown. Pkt. 5c.; 4 oz. 15c.; lb. 35c.

White, best for culinary purposes. Pkt. 5c.; 4 oz. 15c.; lb. 35c.

OKRA OR GUMBO

CULTURE—Select rich soil and plant when ground becomes warm. The pods used to thicken soup, being gathered when young.

White Velvet. Of dwarf habit and an abundant bearer; with long slender green pods; the best sort in use. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.

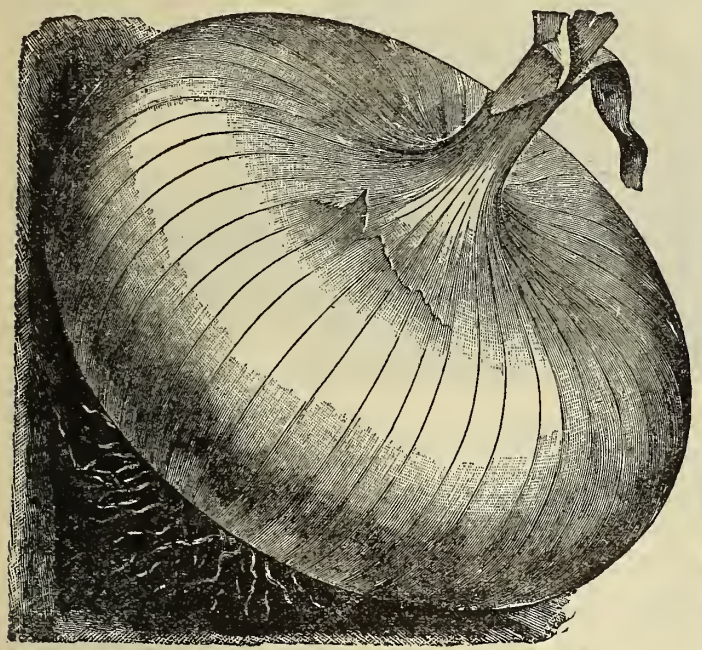
OUR PEDIGREE DOUBLE TESTED ONION SEED

The crop of Onion Seed an average one this last growing season, and prices lower.

Write for special prices on 25 lbs. or over, naming the varieties you want. We offer special inducements to those wanting a Seed Drill or **Cultivator,** with seed enough to sow an acre. We are also headquarters for Onion Sets, and will sell you first-class sets at the very lowest prices.

Good Onion Seed is of the Utmost Importance. Fully realizing this, we have for some years made a specialty of Onion Seed, and have all our crops raised under special contract, subject to careful supervision. Our Onion Seed all grown from choice selected bulbs, are critically examined before being set out for seed. In quality it is far superior to much that is put upon the market, often grown by persons too inexperienced or too careless to select fine, well-shaped bulbs. In vitality it is very strong, being carefully tested. The very rapid increase in our Onion Seed trade, particularly among market gardeners, many of whom order one hundred and more pounds, is the very best evidence that our Onion Seed is unexcelled in quality.

CULTURE.—One ounce to 100 feet of drill, four to five pounds to the acre. The Onion thrives in a rather deep, rich, loamy soil, and unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the Spring as the ground is in working order commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and a foot apart, cover with fine soil, press down with the back of a spade or light roller. If grown to make large Onions, thin plants gradually, so that they stand two or three inches apart. Keep the ground free from weeds by frequently hoeing, taking care not to stir the ground too deeply.



Mammoth Silver King Onion.

You can grow full-sized Onions the first year from our Black Seed; for this purpose four or five pounds of seed per acre are required. To raise small sets, forty to fifty pounds of seeds are required per acre, and for this purpose the best varieties are the Yellow Danvers, Yellow Strasburg, Early Red and White Silverskin.

Large Red Wethersfield. The most profitable Red Onion for the market gardener, as it is the heaviest yielder, 600 to 800 bushels having been frequently harvested upon a single acre from seed sown in the spring. It grows to good size, single Onions often weighing from one to two pounds apiece. In short, it is the best Red main crop Onion for everybody. Our strain is unsurpassed, the seed we offer having been saved from the largest onions of perfect shape and deepest color. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

Mammoth Silver King Onion. This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference and often weighing 2½ to 4 pounds each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver white, flesh snowy-white and tender, of a mild, sweet flavor. We know of no variety of this vegetable that has attracted so much attention as this. Its large size and handsome appearance, as well as mild flavor, recommend it for exhibition at fairs, for the fancy market as well as the home table. Pkt. 5c.; oz. 15c.; ¼ lb. 50c; lb. $1.50.

Extra Early Red. Smaller than Red Wethersfield, and about ten days earlier; color, beautiful deep red. Give it a trial. Pkt. 5c.; oz. 20c.; 4 oz. 40c.; lb. $1.25.

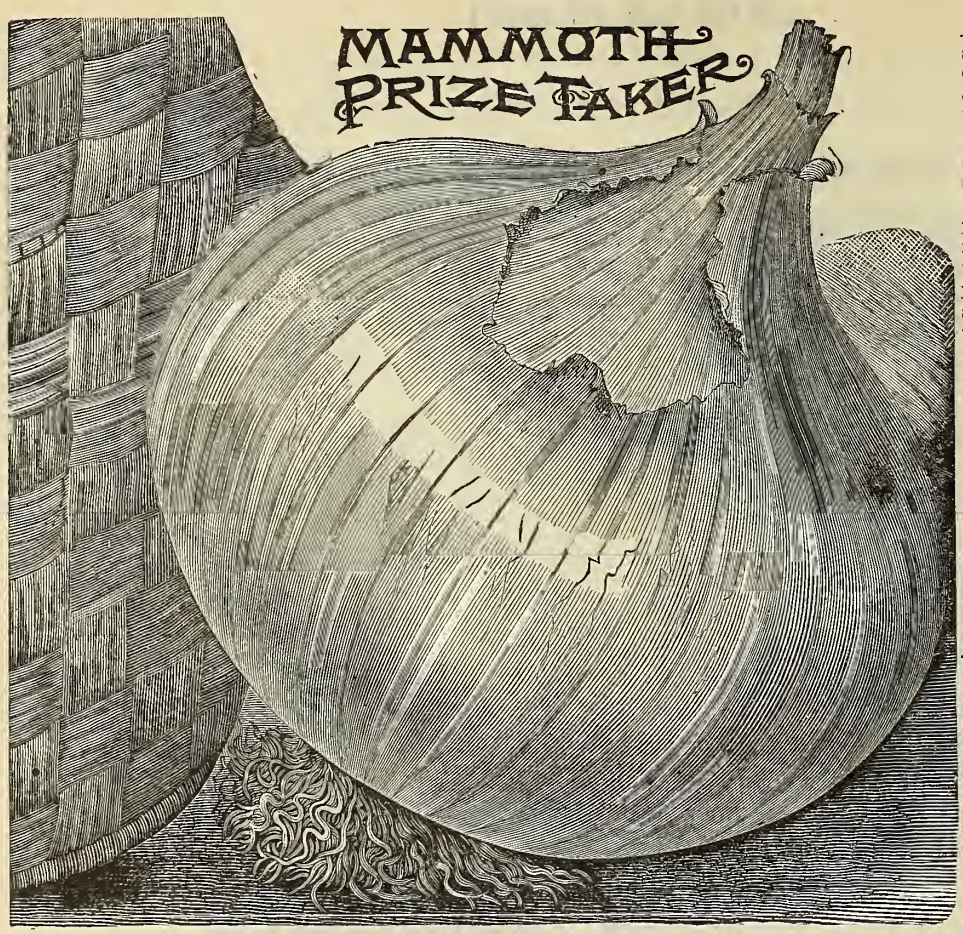
Southport Early Red Globe. Grown by us from selected bulbs. This is a very handsome variety, and is deserving of general cultivation. It matures early, grows to a medium size, skin deep red; flesh fine grained, mild and tender. Pkt. 5c.; oz. 20c.; 4 oz. 50c.; lb. $1.75.

Early Flat Yellow Danvers. Different from the Globe strain only in shape, being more flat. A splendid Onion for the market or home use; sells readily in the market. Very productive. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

Yellow Dutch or Strasburg. One of the oldest varieties, a good keeper, used largely for growing sets as well as for market. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

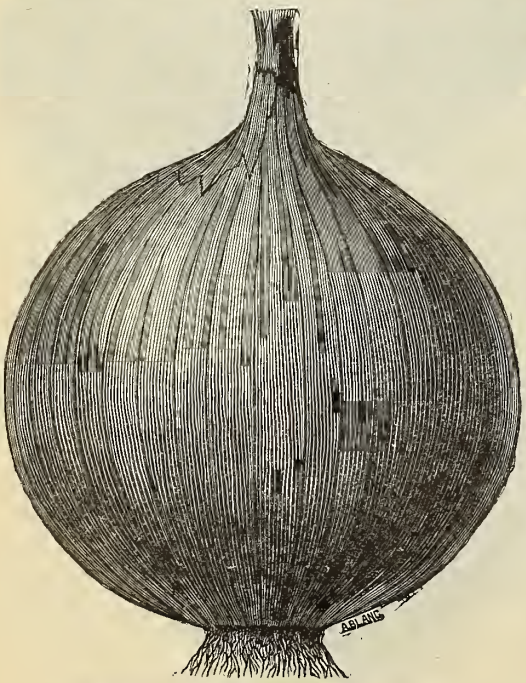
Yellow Globe Danvers. Extra selected. Extensively grown as a main crop, true globe-shaped variety, beautiful golden color, very productive, a first-rate keeper and shipper, the best and most profitable market sort. Our seed cannot fail to please. Pkt. 5c.; oz. 15c.; 4 oz. 50c.; lb. $1.50.

Large Red Wethersfield and Yellow Globe Danvers.



The Prize Taker. Genuine American grown. The handsomest, largest Yellow Globe Onion. A new variety introduced a few years ago, which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size, many single Onions having been raised to weigh five pounds and over from seed the first year. It is of the same type as those immense imported onions which can be seen in fruit stores and always command a very high price. The Prize Taker grows always to a perfect globe shape, with a bright straw-colored skin; the necks are very small, and the Onions always ripen up hard. Pkt. 5c.; oz. **15c.**; ¼ lb. **50c.**; lb. **$1.50.**

Our Northern Ohio Yellow Globe Onion. Fancy Lake County selected stock. Generally admitted by Onion growers everywhere to be the most desirable strain and perfect type of globe-shaped Onion in existence. We name it Northern Ohio Globe to distinguish it from the many strains of Globe Danvers now offered. It represents the product of years of careful selection and cultivation, this, the finest strain of that popular type of the Yellow Globe Danvers Onion, which intelligent, painstaking care can produce. It is immeasurably superior to the average seed offered, not only in shape and color, but in productiveness. Its main points of excellence are: Distinct and attractive shape, handsome, bright, even color, it ripens early and all at once. The necks are very small and cure almost down to nothing. The firm solid bulbs are excellent winter keepers and all that can be desired in size and quality; enormous yielders, 900 bushels (standard weight) per acre are freqently grown on rich onion land. This is a superb onion for all classes of soil (when well enriched) and especially good for marsh lands, on account of its quick maturing qualities. Try this big money-maker. Pkt. 5c.; oz. **15c.**; ¼ lb. **50c.**; lb. **$1.75.**



Northern Ohio Yellow Globe Onion.

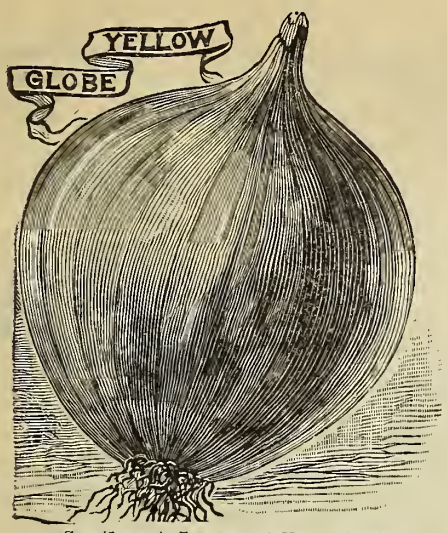
Southport Large White Globe. Large strain of globular shape, white skin, a good keeper, commands the highest market price. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.25.

White Portugal or Silver Skin. Very desirable for family use, a good keeper, flavor mild and pleasant, skin silvery white, of handsome appearance, highly esteemed for pickling when young, also for market in early winter. This is the variety of which White Onion Sets are grown. Pkt. 5c.; oz. 20c.; ¼ lb. **60c.**; lb. **$2.25.**

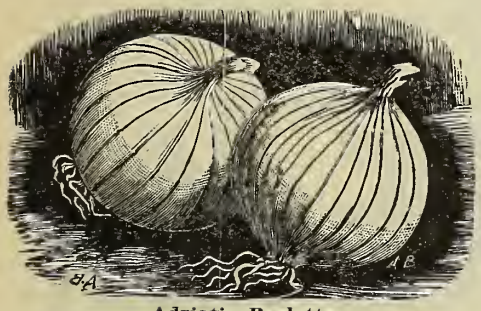
White Portugal or Silver Skin Onion

"Planet Jr." Seed Drills and Cultivators are the best Garden and Field Tools made. For description and price, see pages 87 and 88.

When in want of any Field or Grass Seeds write to us for our Field Seed Price List, mailed free.



Southport Large Yellow Globe.

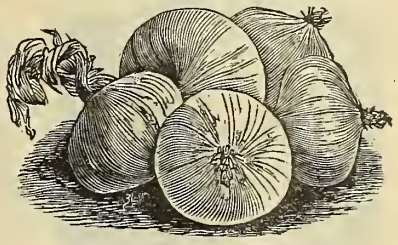

Adriatic Barletta.

Southport Large Yellow Globe. Beautiful in size, shape and color; maturing a few days later than the Red Wethersfield. This Onion is a great seller throughout the States, and Onion growers make no mistake in planting large quantities of the seed we offer, which is first-class in every respect. Is a splendid keeper and in quality is superior to most other varieties. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Early Paris Silver White. One of the earliest varieties; small, white and beautiful; valuable for an early bunch Onion, also much used as a pickling variety; popular with the Paris market men. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $1.75.

Adriatic Barletta. A very early, small, pure white variety, having a very delicate silver skin, flesh firm and mild in flavor. Its great merit is its extreme earliness. For pickling purposes it is unexcelled. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $1.75.

White Queen. Remarkable for its extreme earliness and very mild flavor; it is small and white skinned, much liked for pickling. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $1.75.


Early Paris Silver White.

NORTHERN OHIO AND PENNSYLVANIA GROWN

WHITE AND YELLOW ONION SETS

CULTURE.—They should be planted out as early in spring as the ground is dry enough to work. Bottom sets are produced by sowing the seed as early as the ground can be worked in spring, very thickly in beds or drills, at the rate of 50 lbs. per acre. One quart of Sets to 30 feet in drills; 8 to 12 bushels, depending on size, to set an acre in drills. **Express or freight charges to be paid by the purchaser.** On account of the early publication of this Catalogue we cannot guarantee prices given, but to avoid unnecessary delay in writing, we will fill orders sent, and will give as many as the money sent will pay for. Prices may be lower or higher.

	Quart.	Peck.	Bush.
Yellow Onion Seed or Bottom Sets	$0.15	$0.75	$2.50
White Onion Seeds or Bottom Sets	.20	1.00	3.50
Shallots or Yellow Multipliers	.15	.90	3.00
White Multipliers	.20	1.25	4.00
Egyptian or Perennial Tree Onion Sets	.15	.50	1.50

☞ If Onion Sets are wanted to be sent by mail, 10 cents per quart or pound must be added to prepay postage.

Shallots, or Yellow Multipliers.

Winter, or Egyptian Tree. When once set out they grow for years without any protection or care, except in keeping down the weeds. They start so early in the spring that they are ready for use a long time before any other Onions can be had. Are mild flavored, sweet and tender. They form no large bulbs, but divide and grow as many as 15 or 20 small Onions in one bunch. Desirable for family use and very early and profitable for market gardeners.

These sets should be planted in the fall and all orders sent before fall will be filled about September 1st.

White Multipliers. Are of a pure silvery white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted, of excellent quality and size for bunching green, or can be ripened for use as pickling Onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market from three to four weeks ahead of other Onion Sets. See price list above.

Onion Sets.

☞ We are headquarters for Onion Sets and will quote **special prices** on large lots.

White Multipliers.

We can sell our Farmer and Gardener friends just as good Seed as any Seedsman has to offer. Please remember we are Growers and Importers. Send us your order and get Seeds true to name.

Winter or Egyptian Tree.

PARSLEY

CULTURE.—Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. For winter use protect in a frame or light cellar, or a few plants may be placed in pots or boxes and kept in the house for convenient use during the winter.

Extra Double Curled. A curled variety for garnishing. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; lb. $1.15.

Champion Moss Curled. Leaves crimped and curled like a bed of moss, giving a most beautiful decorative appearance. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.15.

Plain or Single. Dark green with plain leaves; very hardy. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 90c.

Hamburg, or Turnip-Rooted. A very popular variety in Europe. Fine, fleshy vegetable roots which are used in soups, etc. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Moss Curled Parsley.

PARSNIPS

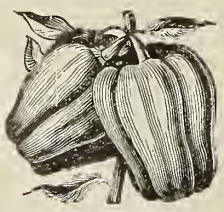
CULTURE.—Sow as early in spring as weather will admit. Cultivate similar to carrots.

Long Smooth White. No side roots; tender and excellently flavored. Pkt. 5c.; oz. 10c.; 4 oz. 25c.; lb. 75c.

Large Improved Sugar or Hollow Crown. The best variety in cultivation; roots long, white, smooth, tender, sugary; excellent flavor. Pkt. 5c.; oz. 10c.; 4 oz. 25c.; lb. 75c.

PEPPERS

CULTURE.—Sow each kind in drills on a warm border, late in spring or commencement of summer, and thin to stand sixteen or eighteen inches apart—or they may be sown early in the season in a hotbed or flower-pots and transplanted.



Golden Bell.

Ruby King.

Cayenne (Long)

Mammoth Ruby King. A very mild flavored variety which grows to a large size, often 5 or 6 inches long and 3 or 4 inches thick, of a bright ruby red color when ripe—fine for Mangoes. Plants are stocky and very prolific. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.; lb. $2.50.

Golden Bell or Golden Dawn. Similar to Sweet Spanish, except in color, which is golden. Very early, mild flavor. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.; lb. $2.50.

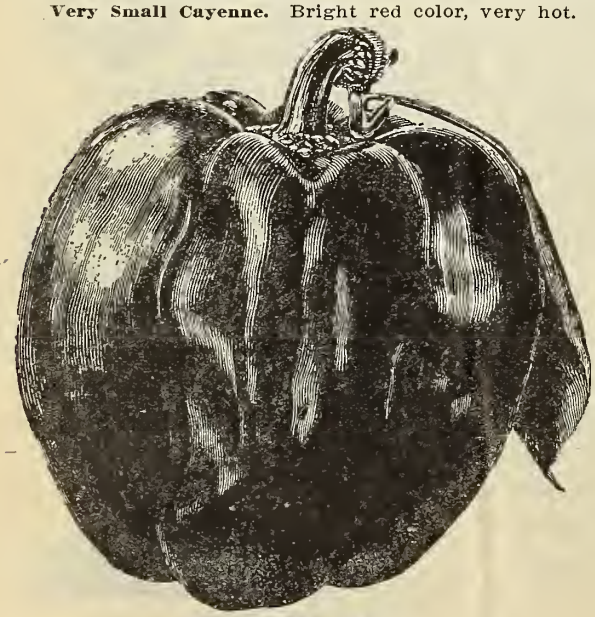
Red Cherry. Ornamental pickles, very small, very hot. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Improved Bull Nose. Earlier than other large size Peppers, thick meated, very mild flavor, excellent for stuffed pickles or Mangoes. Pkt. 5c.; ½ oz. 15c.; oz. 20c.; 4 oz. 60c.; lb. $2.25.

Sweet Mountain or Mammoth. Similar to the Bull Nose, but larger and milder in flavor. For stuffed pickles, "Mangoes," 6 to 7 inches. Pkt. 5c.; ½ oz. 15c.; oz. 20c.; 4 oz. 75c.; lb. $2.50.

Long Red Cayenne. Fruit long, slim and bright red color. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Very Small Cayenne. Bright red color, very hot. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.



Chinese Giant.

Chinese Giant—Double the Size of Ruby King—This is the largest and finest mild red pepper. Truckers planting for market will find "Chinese Giant" the most profitable variety they ever handled. Not only it is early in ripening and immensely productive for so large a pepper, but its enormous size will cause it to sell most readily. The plants are vigorous in growth but of stocky habit, seldom more than two feet in height. They are well branched and thickly set with enormous fruits, which appear to hang in clusters — so many being set on the comparatively small plants. Frequently half a dozen fruits will touch each other, as if in a single bunch; the strong growth of the plants and abundant foliage enable them to mature the large number of fruits nearly as early as the popular Ruby King. The monstrous fruits are of thick blocky form and of most brilliant glossy scarlet. They grow four to five inches broad at the top and are of equal length, divided into four or more large ridges; when ripe they are indented at the blossom end. The first fruits set in a cluster of three to five at the base of the plant, and are generally longer than those setting later on the upper branches, although the latter fruits are equally as broad. All are uniformly of **most enormons size.** The flesh is extremely mild — **as sweet as an apple** — and unusually thick; it makes an excellent salad sliced and served like tomatoes. Pkt. 10c.; ½ oz. 25c.; oz. 40c.; 4 oz. **$1.50.**

Giant Crimson. The earliest maturing of the very large sweet peppers and surpassed by none in evenness of size and shape. Pkt. 10c.; ½ oz. 25c.; oz. 40c.; ¼ lb. $1.50.

PEAS

GARDEN, FIELD AND EDIBLE PODDED

PHILIPPS' NORTHERN GROWN GARDEN PEAS

Sold by Weight or U. S. Standard Measure

The Pea Crop again short and in some cases almost a failure this year, as the continual rains during the growing season, followed by heat and drought, greatly damaged the crop, especially all wrinkled and dwarf varieties.

One pint to 60 feet of drill; two bushels per acre.

CULTURE—The Pea comes earliest to maturity in light, rich soil. For general crops a deep loam or a soil strongly inclined to clay is the best; for early crops, mild manure, such as leaf mould, should be employed. Plant as early as the weather will permit, in well-prepared soil, and cover about two or three inches deep. Sow three feet apart for early kinds and four feet for late. For a continuous supply, sow from early in April until the last of June; then discontinue until the middle of August, when an early sort will sometimes produce a good crop.

Philipps' Extra Early Summit Pea

Philipps' Extra Early Summit Pea. The earliest, evenest cropper, the hardiest, finest flavored and most productive; also most profitable Pea for Market Gardeners to grow. This Extra Early Summit Pea is a careful selection of our own and will be found Entirely Distinct and Superior to any other. In the neck-and-neck race for the production of first-class Peas (each seedsman naturally endeavoring to have the earliest), we claim that "The Summit" we introudced, and for us specially grown, is the Earliest, Best and Most Productive white round pea grown. None as early, maturing all the pods in about forty-five days; height about two feet, and ninety-five per cent. of the gathering in one picking. Also for a late fall crop it is unsurpassed, growing with great rapidity. The very best for market garden use, and we confidently recommend it in every garden for the Earliest Crop. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $1.75; bushel $6.50.

Carter's Extra Early Premium Gem

Extra Early Alaska. This beautiful blue market Pea has become a standard variety, and the earliest of all blue Peas. The vines are dwarf, growing only about twenty inches high—very uniform, maturing the crop for one picking of excellent quality, fine flavor, sweet, and retains its desirable color after cooking. Excellent for canning, and for the market or private garden. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $1.75; bushel $6.25.

Sutton's Excelsior. As early as American Wonder, with much larger pods and more prolific. Height 1 ft. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00 bushel $7.50.

Surprise or Eclipse. Very early. Height 2 feet. Pkt. 5c.; ½ pint 10c.; pint 20c.; quart 35c.; peck $2.50; bushel $9.50.

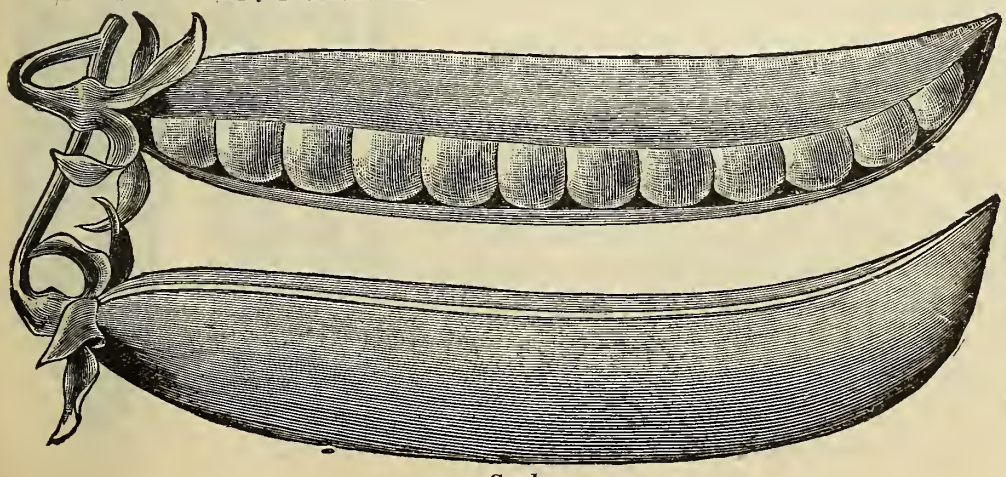
Nott's Excelsior. Extra early. A cross between American Wonder and Advancer; grows one foot high, very hardy, and vigorous; can be planted with perfect safety in early Spring with any smooth varieties, and will mature almost as soon, while the quality is far superior; pods very large and well filled with tender and fine-flavored peas. Early, hardy, productive, extra fine; ready for table in forty-five days. Earlier by several days than Little Gem—a fine bearer—earliest wrinkled Pea. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.00.

Bliss' American Wonder. The earliest of the wrinkled peas, and best for family use. Very dwarf, nine inches high and remarkably productive, well-filled pods, flavor unsurpassed. We heartily recommend this valuable Pea. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75; bushel $6.50.

McLean's Little Gem. Seed green, wrinkled. Height 15 inches. Second early. Very prolific and excellent flavor. Especially recommended for family garden. Pkt. 5c.; ½ pint 10c.; pint 20c.; quart 35c.; peck $2.50; bushel $9.00.

Carter's Extra Early Premium Gem. Pods long and of a dark green color. A type of and improvement on the Little Gem. Very early and productive. Height 15 inches. Highly recommended. Pkt. 5c; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.50.

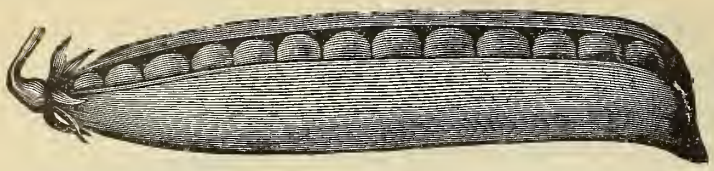
Duke of Albany and Alderman. Extra large dark green pods, on order of Telephone. Height 4 feet. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75. bushel, $6.50.



Gradus

Gradus. The most attractive novelty of recent years — large handsome pods, resembling Telephone in size and shape, well filled with large peas, ripening with the earliest, is certain to be eagerly sought. Ripening very quickly, the pods must be picked as soon as fit for the table. Habit vigorous, very quick to germinate and push to maturity—foliage large, pale green in color—pods long, straight, slightly rounded at point, seed large, wrinkled cream color, height 3 feet. Pkt. 5c.; ½ pint 15c.; pint 25c.; quart 40c.; peck $2.50, bushel $9.00.

Champion of England. A variety possessing merit of high order, wrinkled and very sugary—requires sticking. Ripens for table in seventy days from germination. Pkt. 5c.; ¼ pint 10c.; pint 15c.; quart 25c.; peck $1.75; bushel $6.50.



Pride of the Market. Is a strong growing Pea two feet high, wonderfully productive. The pods are of large size and handsome appearance, and the Peas are of splendid quality. Similar to Stratagem and Telephone. Pkt. 5c.; ½ pint 10c.; pint 15c; quart 30c.; peck $2.00; bushel $7.50.

Daisy or Dwarf Telephone. This most resembles the tall Telephone, but grows only two feet high. Pkt. 5c; ½ pint 10c; pint 15c; quart 30c; peck $2.25.

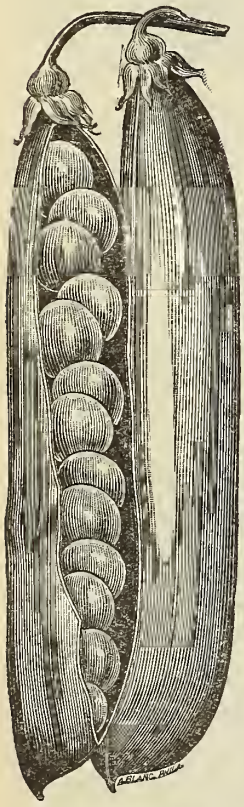
Horseford's Market Garden. A first-class wrinkled pea; second early. Height, 24 inches; no sticks. It is a profitable sort for market gardeners, as a single plant has been known to produce more than 150 pods. It is equally good for the home table. The medium-sized pods are borne in pairs, and are easily and quickly picked. This variety is said to have yielded more shelled peas to the acre than any other American sort. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.00.

Thos. Laxton—The only rival to the famous Gradus—as a long-podded extreme-early wrinkled pea—and in some respects even better. The growth is identical with that of Gradus, but the pods are deeper, richer green, square at the end instead of having a long sloping point. In the judgment of experts who have grown the two side by side, the Thos. Laxton is even sweeter and finer in flavor than the Gradus, while as the larger peas are a deeper green they present a more attractive appearance on the table. The crop ripens only three to four days after Gradus. Pkt. 5c.; ½ pint 10c.; pint 20c.; quart 35c.; peck $2.50; bushel $9.00.

Bliss' Ever Bearing. The great value of this variety is found in its long-continued bearing. Pods three to four inches long, well filled. Peas very large, half an inch and over in diameter. Unsurpassed in sweetness and flavor. Two feet high. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.00.

Stratagem. (Wrinkled.) One of the finest second early Peas grown. The strong, sturdy vine is literally covered with immense pods. Many of the pods measure nearly 5½ inches in length, and contain as high as ten large, fine-flavored wrinkled peas of excellent flavor, very sweet. Two feet high. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.50.

The Wrinkled Peas should be sown thicker than the Round Peas and not until ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas.



Thos. Laxton

The Heroine. This is one of the mammoth-podded, English-bred varieties, of elegant habit of growth, luxuriant foliage, pods remarkably handsome, slightly curved, well filled with large, luscious peas of fine flavor, a gem of the first water. It is similar to Pride of the Market, but far superior to that variety in habit, as it is remarkably true and fixed in its habit of growth. This is one of the grandest Peas on the entire list, is now offered at a price that places it within the reach of all. It should be in every garden. Height two feet, seed green and very much wrinkled. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75; bushel $6.75.

Carter's Telephone Season midway between First in Market and Marrowfat. Green, wrinkled, height 3½ feet —enormously productive—pods unusually large, elegant shape and well filled with peas of large size and good quality. Average 18 pounds to the stalk. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 30c.; peck $2.00; bushel $7.50.

Dwarf White Marrowfat. A sturdy variety, prolific and of good quality—vines 30 inches high, foliage strong and dark, maturing about 70 days after germination. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50; bushel $5.00.

Black-Eyed Marrowfat. This is extensively grown as a garden and field Pea—very productive—height about 3½ feet with large and well-filled pods—a popular market variety. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50; bushel $5.00.

White Marrowfat. Tall. A favorite variety for market, canning and field cultivation—very large, broad pods, well filled, height four feet. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 20c.; peck $1.25; bushel $4.50.

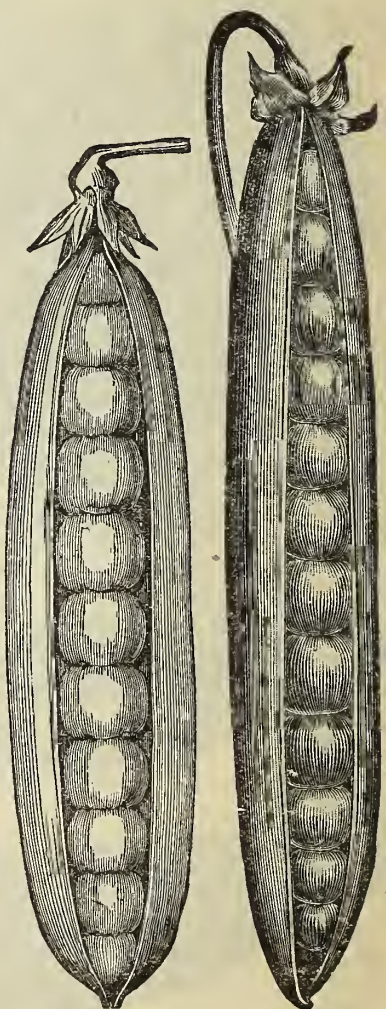
EDIBLE PODDED OR MELTING SUGAR SORTS

Tall Grey Sugar. Edible pods. About two feet in height, very sweet and tender. Only to be eaten with pods. Pkt. 5c; ½ pint 10c; pint 20c; quart 35c; peck $2.50.

Dwarf Grey Sugar. Edible pods. Grows about two feet high and is remarkable for its earliness as well as its character. The seeds are large, shriveled and of dark brown color. The pods are broad, flat and crooked and contain five or six peas. Pkt. 5c; ½ pint 10c; pint 20c.; quart 35c.; peck $2.50.

FIELD PEAS

See Field Seed Department of this Catalogue



The Heroine Telephone

PRICE-LIST OF CHOICE NORTHERN-GROWN SEED POTATOES

CHANGE YOUR SEED.

Growing Potatoes for Seed Has Been a Specialty with Us for Years.

In drills three feet apart, ten to twelve bushels to the acre. One peck will plant about 125 hills.

The Potato, like all robust growing vegetables, can be grown with varying success in soils of all kinds, and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to disease, and the flavor also is much inferior. In breaking up good pasture land the decaying sod answers sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the hills and plowed in,—the latter in most cases being preferable. If the soil is good but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry and absorbent nature, as plaster, lime, superphosphate of lime and bone dust. For wet soils these are particularly beneficial, as they not only promote growth, but prevent disease. Plant as early in spring as the ground can be had in fair working order, in hills or ridges three feet apart, covering in light, warm soils about four inches deep, but in cold, wet situations two and one-half or three inches will be sufficient.

Toledo Early Market.

By using our Northern-grown Seed you are assured of **early maturity, increased yield and vigorous growth.** Our stock has been grown from selected seed and expressly for seed purposes. We book orders at any time, and fill them in rotation just as soon, in our judgment, as the weather will permit. However, we cannot become responsible for changes in the weather by which they may become damaged en route. We will ship at any time when requested to do so, regardless of the weather, but customers must take the risk. **Prices subject to variations of the market.**

Special Prices given on most kinds for large quantities, on application. When customers request it we will pack a barrel with two or three kinds without extra charge.

Our Potatoes are all specially raised for seed purposes, and are "Northern-grown" by us and for us in Michigan and around Toledo. We deliver all Potatoes into the hands of transportation companies, safely packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. In comparing our prices on Potatoes, remember we make no charges for barrels or cartage, but deliver F. O. B. Toledo at prices quoted. Our barrels contain 165 lbs. net.

PRICES GIVEN ARE SUBJECT TO VARIATIONS WITHOUT NOTICE.

	½ Peck	Peck	Bushel	Barrel
Early Toledo Market	$0.25	$0.50	$1.75	$4.50
Extra Early Six Weeks	.25	.50	1.75	4.50
Irish Cobbler	.25	.50	1.75	4.50
Early Beauty of Hebron (a beauty)	.25	.50	1.75	4.50
Whiton's White Mammoth	.25	.50	1.50	4.00
Early Ohio (the market gardeners favorite)	.25	.50	1.75	4.50
Early Rose (medium early)	.25	.50	1.75	4.50
Uncle Sam (late)	.25	.50	1.50	4.00
Sir Walter Raleigh	.25	.50	1.50	4.00
Rural New Yorker, No. 2 (a very heavy cropper)	.25	.50	1.50	4.00
Carman No. 3	.25	.50	1.50	4.00

Single pound 10c.; by mail 20c.; or 3 pounds by mail 50c., of any of the above varieties.

These prices are binding only so long as our stock of any variety remains unsold. Potatoes grown in our section and Northern Michigan are far better for planting in the Middle, Southern and even Eastern States than the Western grown, in earliness, yield and quality, and should be preferred by all who grow for market or private garden.

Toledo Early Market. Especially recommended for early marketing. Market Gardeners should try this Potato because it is extra early and of a fine quality, cooking well as soon as it attains marketable size. Tubers similar to Early Rose, large, light, pink or flesh color. An immense yielder, flesh very white; cooks dry and mealy. Good keeper, being excellent till planting time. (See price list.)

Irish Cobbler. A new variety which becomes popular wherever tried on account of its earliness, handsome appearance and excellent quality. Tubers are round and smooth, skin creamy white and often netted flesh white. Try it. We know it will please you. (See price list.)

Early Rose. Every cultivator of the Potato, both far and near, is familiar with the Early Rose. It was the pioneer of all the improved varieties. Its highly extolled character has not depreciated. (See price list.)

Uncle Sam. A remarkable main crop variety. Aside from its productiveness, attributable to the uniform size of Potatoes, nearly all sizing up alike, its crowning merit is its superb cooking quality. The tubers are oval, with pure white russet skin, very shallow eyes near the surface, and are so handsome in appearance and perfect in form that they will always bring an enhanced price upon the market. (See Price List.)

Carman No. 3. This splendid Potato is without exception the greatest yielder ever introduced. It may be fairly claimed that it does not yield any small tubers at all. It bears its tubers very close to the plant, a single turn of the fork turning out every potato. It is of the largest size and of the shapeliest form, almost similar to Carmen No. 1. It is a perfect keeper, that is, it will not sprout up to planting time, unless kept in a warm place. Both skin and flesh are of extreme whiteness. Eyes few and shallow. (See price list.)

Early Ohio.

Extra Early Six Weeks. This is one of the best quality and largest yielding potatoes of the Extra Early varieties. The tubers are oblong in form, averaging three to four inches in length, light brownish in color, with few eyes, and these very shallow. (See price list.)

Improved Extra Early Ohio. The earliest market potato, is well known and popular. The tubers are of good size, always cook dry and mealy, and can be eaten long before the tops die down. We have a large supply in store of first-class seed stock. (See price list.)

Early Beauty of Hebron. One of the best early sorts, productive and of excellent flavor, good keeper, pure white skin and flesh; a beauty. (See price list.)

Whiton's White Mammoth. This potato was grown from seed taken out of a ball grown on a Peachblow vine.

Solid built white tubers very thickly netned, a quick, strong grower, and keeps free from blight and bugs.

Cooks dry and has a fine flavor. Is an immense yielder, grows compact in hill, which makes harvesting easy. We recommend every one of our customers to try this Potato, and know they will be pleased with it. Can be grown on any soil. (See price list.)

Rural New Yorker No. 2. A splendid intermediate and main crop Potato, originated on the experiment grounds of the Rural New Yorker. It is most distinct in appearance and could readily be distinguished among a hundred other varieties. Very large and unusually smooth, with few and shallow eyes, in form oblong, inclined to round, flesh white and of superior quality. The vines are very strong, and yield handsome tubers of great uniformity; wonderful cropper. (See price list.)

Sir Walter Raleigh. Introduced by Mr. Carman. Resembles Rural New Yorker No. 2, of which it is a seedling, and is one of the best Potatoes now offered. (See price list.)

HYBRIDIZED POTATO SEED

Growing new, distinct sorts of potatoes from the Seed-Ball Seed is most interesting and fascinating. The chance of producing new varieties of enormous value is well worth striving for. We offer a superb collection of seed from innumerable hybridizations between the best new and old sorts in cultivation.

This seed will produce an endless variety of kinds, colors, shapes, sizes and qualities. Very easy to grow.

Special Price. While this unrivalled Potato Seed would be cheap at 50 cents, we desire every customer to try it this season, and will make price only 15 cents per packet, two for 25c., five for 50c., 10 for $1.00, 100 for $8.50—all prepaid.

Full directions for planting, cultivating, etc. (which is very easy) is on ever packet.

SEED SWEET POTATOES

Grown especially for Seed purposes in this State and New Jersey, of the following varieties: Yellow Nansemond, Yellow Jersey. Per lb. 10c.; bushel $2.00; barrel $4.00. Write for special prices for large quantities.

Sweet Potato Plants. Ready May 1st. We make a specialty of supplying first-class Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well rooted and hardy. Write if you want a large lot, as prices may be lower. Price, by mail, 100, 50c.; by express, 500, $1.75; 1,000, $3.00.

PUMPKIN FOR TABLE AND FIELD

CULTURE.—May be planted after first of May, among the Indian Corn, or in the field or garden, in hills of eight or ten feet apart each way, four seeds in a hill.

Japanese Pie. Crooked necked, very productive, ripens early, of medium size. Excellent for pies. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. 90c.

Large Sweet Cheese. Excellent for cooking purposes, orange colored, flesh yellow and sweet, very productive, and excellent for pies, also stock. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 50c.

Large Tours or Mammoth. Grows to an immense size, often weighing over 200 pounds; very productive; for cattle and table; flesh bright yellow. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 90c.

Cushaw. Resembling the White Crookneck-Squash, flesh salmon yellow. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 70c.

Connecticut Field. The common large yellow field Pumpkin, good for stock. Pkt. 5c.; ¼ lb. 10c.; 1 lb. 30c.

Sugar. This great pie Pumpkin is used exclusively in making the celebrated Yankee Pumpkin pies, of fine sugary flavor, fine grained. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 70c.

RADISH

AMERICAN AND FRENCH GROWN RADISHES FOR ALL THE YEAR ROUND.

One ounce will sow 100 feet of drills; 8 to 10 pounds for an acre.

CULTURE.—All the varieties thrive best in light, sandy loam. For early use sow in hotbed, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp and tender.

All Seeds Saved from Selected and Transplanted Roots.

Special prices for those buying in larger lots. Five pounds of any variety at 10c. less per pound.

EXTRA EARLY AND FORCING VARIETIES.

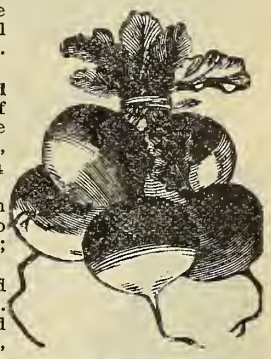
Extra Early Deep Scarlet Prussian Globe Radish.

Extra Early Scarlet Prussian or Vick's Globe. Eighteen days to maturity. A small-leaved variety, well adapted for forcing under glass, root round and carmine colored, early, very attractive and desirable, fine for forcing. A new color and very choice. Every gardener should have it. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Early Scarlet Forcing Turnip. Quickest in maturity of any of the Red Turnip Radishes, crisp root and small top, an excellent forcing variety, as well as in private garden. Don't fail to try it. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 65c.

Extra Early Scarlet Turnip, White Tipped. A fancy French variety, scarlet bulb with white bottom. Very showy and delicate. Choice variety for forcing and open ground. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Earliest White Turnip. A remarkable early sort for forcing, very few and small leaves, crisp and delicate bulbs (new). Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.



Early Scarlet White Tipped Radish.

Olive-Shaped Scarlet White-Tipped French Breakfast Radish. A variety of quick growth. Very mild and tender, one of the best for forcing, oval form, scarlet, tipped with white. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Half Long Deep Scarlet. Matures in 24 days, is red, and grows from three to four inches. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Wood's Early Frame. Shorter and thicker than the Long Scarlet Short Top. Best long Radish for forcing, also good for outdoor crop, either spring or fall, mild, brittle, of fine flavor. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Market Gardeners' Early Long Scarlet Short Top. Brightest Scarlet. The well-known Long Red market variety. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

"Cincinnati Market" Radish. (The Best Long Red Radish in cultivation.) This wonderful new Radish has won special favor in all sections of the country, and sells more readily than any other variety that is put in competition with it on the market. The tops are very small, and the radishes may stand much closer in the rows than Wood's Early Frame and Long Scarlet without danger of running up to seed. They grow straight and smooth and from six to seven inches in length, the flesh is exceedingly tender, crisp and delicious, never becoming hollow and pithy, the skin is very thin and has an attractive, glossy, scarlet appearance. This is undoubtedly the finest Long Red Radish for every purpose, being equally desirable for the market or home garden. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Early White Giant Stuttgart Summer. (Round.) A large grower, top-shaped and long keeper; all white, smooth, brittle, never pithy, second early. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Livingston's Pearl Forcing. A cross between Wood's Early Frame and White Strasburg, making the best half long White Radish for Market Gardeners. Try it. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 75c.

White Lady Finger. Twenty-four days to maturity; quick growing, long, slim, white, a great favorite, the only good long early white radish, very crisp and nutty. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 65c.

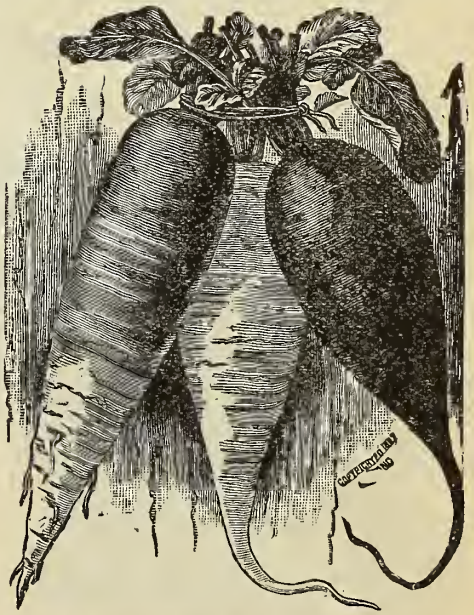
Golden Yellow Summer. Expressly grown for us. The best Summer Radish. Shape globular, color amber, flavor mild, keeping long in eating condition; withstanding heat well. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Long White Vienna. Beautiful in shape; skin and flesh pure snow white, crisp and of rapid growth. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Early Golden Yellow Oval. A comparatively new sort, very popular in the New York market. The roots are oval, very smooth and handsome, bright, light yellow color, and of fine quality. It matures very quickly and has a small top and neck. Our stock is grown from selected roots and is very fine. Pkt 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

White Strasburg. It is of a tapering shape, skin and flesh both white. It is an excellent summer variety, being tender, crisp and of fine flavor, and a quick grower. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

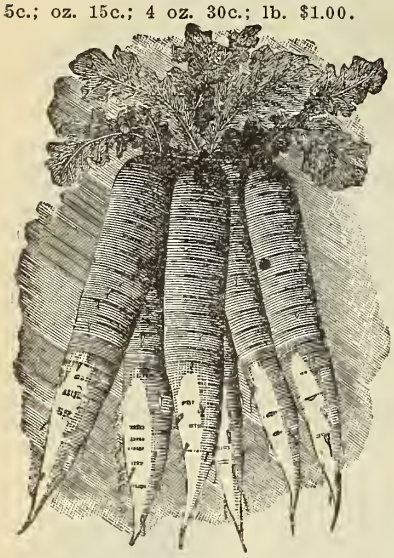
Improved Chartier. (Scarlet, white tip.) A distinct, exceedingly handsome and attractive sort. Color of the top is scarlet rose, shading into pure waxy white at the tip. Attains a very large size before it becomes unfit for the table. Undoubtedly the best All Seasons Radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top, and keeps crisp and tender for two months. Planted late it makes a good winter keeper. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 65c.



The Chartier, White Strasburg and Half Long Deep Scarlet.

Fifteen-Day Early Scarlet. This is a most desirable forcing Radish, being ready for table in fifteen days from germination. Color brilliant scarlet, shape round and flat at bottom. Pkt. 5c.; oz. 15c.; 4 oz. 30c.; lb. $1.00.

All Seasons. An oval red Radish, edible at all seasons of the year. The best autumn Radish on the market. Pkt. 5c.; oz. 15c.; 4 oz. 30c.; lb. $1.00.



Market Gardeners' Early Long Scarlet.

Celestial. A comparatively new variety, which is popular wherever known. The root is long, cylindrical, with beautiful white skin and flesh, so white as to attract attention even when among the other white varieties. The flesh is tender and of good quality. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 70c.

Long White Spanish. Fall or winter. A long winter sort, very solid and crisp; long keeping. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Long Black Spanish. Winter. Grows six to eight inches long and about one and one-half inches through the top; skin black, flesh white and of firm texture. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

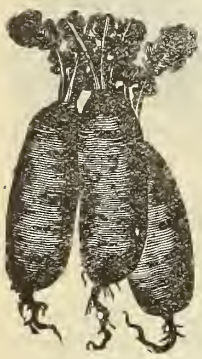
Round Black Spanish. Winter. Like the above, except in shape. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

Russian or California Mammoth White. Grown extensively by Chinese in California; 8 to 10 inches long, 2 to 3 inches in diameter, white, solid, good flavor. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Rose or Scarlet China Winter. A fine winter sort, root a half long stump of from three to four inches, scarlet and pink in color, tipped with white. Quite salable in market during fall and winter. Keeps perfectly. Paper 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Icicle. A handsome white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle, and mild in flavor. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 75c.

Improved Chartier.



Black Spanish.

HORSERADISH SETS

CULTURE.—Plant at any time during spring, in rows about two feet apart and about eighteen inches apart in the rows. By mail, per doz., 25c.; by express, per 100, 75c.; per 1,000, $6.00.

Rose or Scarlet China Winter.

RHUBARB (PIE-PLANT)

One ounce will produce about 1,000 plants.

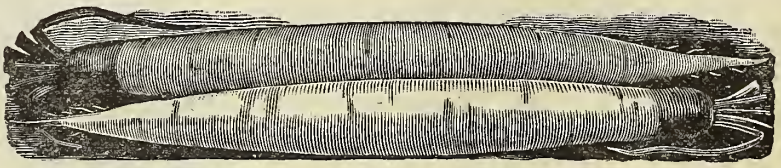
CULTURE.—Sow in April in drills one inch deep and one foot apart. When the plants are three or four inches high thin out to ten inches apart, and cultivate well during the season. In fall or following spring transplant into hills about three feet apart each way. The soil must be very deep and heavily manured. Give a top dressing of manure every fall.

Mammoth Victoria. An excellent cooking variety. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Rhubarb Roots. Each, 10c.; doz. 75 ; 100, $4.50. By mail, postpaid, 20c. each or $2.00 per dozen. Special prices on sizes, quality and quantities on application.

SALSIFY (VEGETABLE OYSTERS)

When properly cooked it is a good substitute for Oysters in taste and flavor, and is very nutritious.



Sandwich Island Mammoth Salsify.

CULTURE.—Sow early in spring in drills fifteen inches apart and one to two inches deep; thin to six inches apart. Soil should be deep and very mellow, in order that the long root may grow straight down. Store same as Carrots for winter use, or they can be left in the ground until spring. One ounce of seed will sow fifty feet of drill.

Mammoth Sandwich Island. This variety is of enormous size, twice the size of the ordinary French, pure white, very tender and delicious. Invaluable for the market gardener and private garden. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.

SORREL

This is cultivated for its leaves, which possess a very fine flavor when boiled and served like Spinach. Also makes delicious soups.

Broad Leaved. The best for general use. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

SPINACH

Ten to twelve pounds are required for an acre.

Special Price in 5 and 10-pound Lots.

CULTURE.—For spring use sow early in drills one foot apart, or broadcast as preferred, and every two weeks for succession. As it grows thin out for use, keeping it clear of weeds. For fall use sow in August, for winter use in September, in well manured ground. Mulch with straw on the approach of severe cold weather.

Extra Large Thick Round-Leaved Spinach.

Extra Large Thick Round-Leaved. The market gardeners' favorite for spring or fall sowing. Very hardy and large cropper. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. **35c.**

New Long-Standing. Will stand an unusually long time before running to seed—in other respects it resembles the round-leaved closely. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. **35c.**

Victoria. (New.) A favorite with market gardeners. Broad dark green leaves, heavy foliage, tender, and keeps in good condition the longest of all Spinach. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. **35c.**

New Long-Standing Spinach.

Curled-Leaved Savoy. (Norfolk Bloomsdale.) The earliest variety, upright growth; fine, large, tender savoy leaves. Quick growth. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. **35c.**

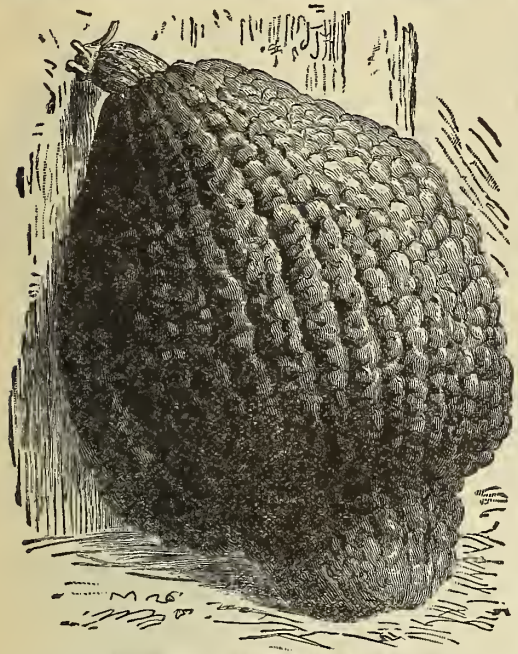
New Zealand. This endures heat and is best for summer. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Bloomdale Savoy-Leaved. The market gardeners favorite. **Pkt. 5c.;** 2 oz. 10c.; 4 oz. 15c.; lb. **35c.**

SQUASH—SELECTED SEED

Special Price to Large Buyers.

CULTURE.—Plant after all danger from frost is past, and get in the winter kinds as soon as possible, in order that they may mature. Plant in hills five feet apart for the bush varieties, and six or eight feet for the running varieties, putting six or eight seeds in the hill, finally leaving but three. One ounce of bush varieties for forty hills, or of large seeded running kinds, fifteen hills; three or four pounds for an acre.



Toledo Warted Hubbard Squash.

True Hubbard. Generally considered the leading Squash for fall and winter use—good in any climate, hard skinned, splendid keeper—flesh dark yellow, fine grained, very dry and rich; very prolific. We offer a very carefully grown stock. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; **lb. $1.00.**

Toledo Warted Hubbard Squash. For years it has been our aim to get an improved strain of Hubbard Squash. We finally succeeded, and now offer to our friends the Toledo Warted Squash (similar to the so-called Chicago), which we claim is the best strain in the market. A Hubbard Squash, large, blackish green, hard as wood, with warty knots all over it, satisfies even the inexperienced observer that it is the best of its class. Rich in quality, a keeper and thick fleshed—such as will sell at sight. Our strain of the above will produce mainly the type shown in the accompanying cut, which we consider the ideal Hubbard for home or market. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 90c.; **5 lbs. and over, 75c. per lb.**

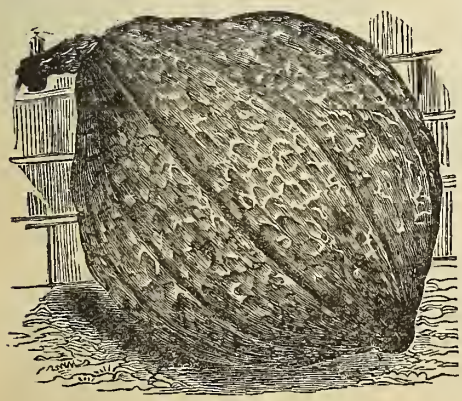
Mammoth White Bush Scallop. An excellent large strain, earlier than the common stock, creamy white and average double in size; prolific bearer; a splendid variety for market, and the best of all for southern shippers. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Extra Large Golden Custard Bush Scallop. Decidedly the best strain. It has been selected and grown for years until it has doubled in size, and at the same time lost none of its other good points, such as earliness, quality and productiveness. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Giant Summer Crookneck. Double the size of the ordinary Crookneck and very warty, but similar in other respects. Their handsome appearance commands an extra price in the market. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Fordhook. A most excellent new Squash, of handsome appearance, yellow outside and straw color within. The flesh is as dry as Pike's Peak and of most delicious flavor. It ripens early and is one of the best keepers we know of; it can be kept all through the winter until June. It is very prolific and bug and borer-proof. We can highly recommend it to our customers. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 75c.

Marblehead. An excellent Winter Squash. Good keeper, dry and sweet. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.



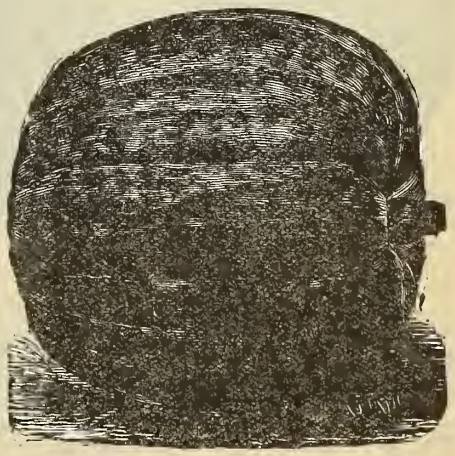
Boston Marrow Squash.

Boston Marrow. Extensively grown and most profitable for winter use and canning. Flesh orange, fine grained, splendid for pies and as a winter keeper. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.; 5 lbs. and over, 50c. per lb.

Mammoth Chili. True stock ("Jumbo"). The "big" exhibition Squash, the largest of all, often weighing over 200 lbs. There is a record of one Squash having been grown that weighed 292 lbs. The flesh is very thick and a rich yellow color, skin smooth and bright orange color. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. 80c.

Golden Hubbard. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Delicata. Early, very prolific; orange colored splashed and striped with very dark green. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. $1.00.



Mammoth Chili Squash.

TOMATO SEED

NORTHERN GROWN SELECTED.

One ounce will safely produce about 1,500 plants.

CULTURE.—For early use sow in February, in boxes or pots, and place near a window or in a hotbed. When about two inches high pick them out singly in small pots and nurse carefully in frames; when danger of frost is past, plant out in sheltered situation, where they may have full influence of the sun. To hasten maturity of the first fruit which sets, pinch off extremities of the tops.

Sparks' Earliana. The earliest smooth, bright red Tomato of good size and flavor that can be had. It is the early Tomatoes that our market gardeners bring to the city that make the most money, oftentimes selling from $2.50 to $3.00 per bushel wholesale. We consider this the finest flavored Tomato that grows. The plants are quite hardy, the fruit deep scarlet in color, smooth and solid and free from ribs or cracks. The flesh is deep red, with solid center and small seed cells. Give it a trial. Pkt. 5c.; oz. 25c.; ¼ lb. 75c.; lb. $2.75.

June Pink Tomato. This Tomato is as early as the Sparks' Earliana, but the fruit is **pink** instead of red in color, and about two weeks ahead of Chalk's Early Jewel. Pkt. 5c.; oz. 25c.; ¼ lb. 75c.

Livingston's Globe. Very distinct in shape. Fruit large firm and smooth, color fine glossy rose tinged with purple. Pkt. 5c.; oz. 35c.; ¼ lb. 90c.; lb. $3.00.

Landreth's Red Rock. 110 days from seed sowing to ripe fruit. A Trucker's variety, extraordinarily solid, smooth as an Apple, red as it is possible to be. No sort is its superior in texture or flavor. A very heavy producer and an excellent shipper, twenty tons having been grown to the acre. Recommended especially to planters for canning factories as very showy and productive. Undoubtedly the finest large red tomato now in use. Pkt. 5c.; oz. 40c.; ¼ lb. $1.00.

Perfection. It is one of the earliest, ripening evenly, a good keeper, color blood red, almost round in shape, perfectly smooth and solid, having few seeds; very productive, good shipper. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Chalk's Early Jewel. Heavy cropper, fine, large red fruit, sweet flavor, about two weeks later than Earliana; ripening up to the stem, without cracks or green core; flesh thick and solid, with few seeds. Pkt. 5c.; oz., 25c.; ¼ lb. 75c.; lb. $2.50.

New Dwarf Champion. In form and color the fruit closely resembles the Acme; it is always smooth, symmetrical and attractive in appearance, the skin is tough and the flesh solid, ripens well close round to the stem, and is not so much subject to crack as some other sorts. Pkt. 5c.; ½ oz. 15c.; oz. 20c.; ¼ lb. 75c.; lb. $2.75.

Selected Early Acme. Ripens evenly, of medium, uniform size, round, very solid and of a pink purplish color, very productive, bearing until killed by frost. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.00.

Favorite. A large, smooth, perfectly shaped Tomato, of a dark red color; does not rot or crack, ripens early, very prolific, good flavor, flesh solid, has few seeds, very early, good shipper. Pkt. 5c.; oz. 20c.; ¼ lb. 65c.; lb. $2.25.

New Beauty. Well named. Fruit large and showy, color deep red, with a slight tone of purple; growing in clusters. Solid, meaty, smooth, and free from rot or green core, a good sort for shipping on account of its solidity and toughness of skin. Certain to give satisfaction. Keeps well. Pkt. 5c.; oz. 20c.; ¼ lb. 65c.; lb. $2.25.

New Peach. The most distinct Tomato ever introduced; the fruit resembles the Peach in shape and color—which is deep rose and amber; the flavor is remarkably fruity and delicious. Pkt. 5c.; oz. 25c.; ¼ lb. 60c.; lb. $2.25.

Golden Queen. Specially recommended for canning, for eating raw, or slicing as a table fruit; somewhat resembles the Trophy in appearance. It will please you. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.25.

Royal Red. Royal Red is a first-class main crop variety for the shipper, market and private gardener; of special value to the canner and catsup maker. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.25.

New Buckeye State Tomato. A fine, new, extra large sort, nearly one-half larger than the Beauty; deep color, heavy and of splendid quality. Pkt. 5c.; oz. 20c.; ¼ lb. 65c.; lb. $2.25.

Yellow Plum or Pear. A small yellow variety used for preserves. Pkt. 5c.; oz. 20c.; ¼ lb. 75c.; lb. $2.50.

Paragon. One of the old varieties, medium in ripening, large size, color deep red. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.25.

Early Detroit. The largest and best in shape of the early purplish pink tomatoes. Vine vigorous and very productive. Fruits very smooth, uniform in size, nearly globe shape, firm and of excellent quality. Well adapted for shipping. Pkt. 5c.; oz. 35c.; ¼ lb. $1.00; lb. $3.50.

Livingston's Globe.

Ponderosa. In growing we have found it of immense size, solid, almost seedless, and of good sub-acid flavor. The single fruits were large, but somewhat scattered on the vine, and did not yield near so much as the Beauty and other varieties. Pkt. 5c.; oz. 30c.; ¼ lb. 90c.; lb. $3.50.

Mansfield Extra Early Tree Tomato. This variety has been originated by careful selection and special methods until it has attained the height of ten feet for the tree, and a weight for a single Tomato of 30 ounces, and six inches in diameter, with testimonials of over 60 pounds of ripe fruit to a single tree, of a quality that surpasses all others. Fruit ripens from July 4th until frost; they are solid all the way through as a hard-boiled egg, and but few seeds in a Tomato. Pkt. 10c.; ½ oz. 15c.; oz. 25c.; ¼ lb. 80c.; lb. $3.00.

Livingston's Dwarf Stone Tomato. In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles Livingston's Stone in color, shape, and what is more remarkable, for an erect sort, it is about the same size. Specimens weighing one pound each are quite common. The New Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as early. It is fully as prolific, and consequently vastly more productive. In small gardens the plants may be set 18 x 24 inches apart each way, and yet produce an abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens very evenly, and is of most excellent quality. Pkt. 5c.; ½ oz. 15c.; oz. 30c.; ¼ lb. 75c.; lb. $2.75.

Yellow Peach. Resembles a peach; used for eating from the hand or making preserves. Pkt. 5c.; oz. 25c.; ¼ lb. 75c.

Honor Bright. The best long-distance shipping sort on the market; color when ripe, brilliant red. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.25.

The New Stone Tomato. This new Tomato has already been generally adopted by canners and market gardeners everywhere. Its solidity and carrying qualities are far in advance of any other sort now known; color rich red, shape perfectly smooth and thicker from stem to blossom end than most varieties, making it very desirable and salable. Very large in size and very heavy cropper. The best all around general crop Tomato. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; ¼ lb. 75c.

Matchless. This is a large fruited, cardinal red Tomato, ripening a few days earlier than the Stone. One of the best for general crop. Pkt. 5c.; oz. 25c.; ¼ lb. 60c.; lb. $2.00.

Tomato Plants. Ready May 1st. Strong transplanted plants. By mail, dozen, 25c.; 100, $1.00. By express, per 100, 75c.; 1,000, $5.00. For Potted Tomato Plants see Page 34

LIST OF SELECTED TURNIPS AND RUTABAGAS

One and one-half pounds to the acre.

CULTURE.—For early Turnips sow as soon as ground opens in spring, but the other kinds for winter use may be sown from middle of July to end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of Rutabagas) by cultivating in drills 18 inches apart, and thinning to six inches in the drill. The Early White Egg is the Market Gardeners' Turnip.

Early Red-Top Strap Leaf.

Extra Early Milan. A new early very white variety, with purple top and strap leaf. Mild and sweet, remains in good condition for a long time. Choice variety, and as such we recommend it. (Short crop.) Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. **65c.**

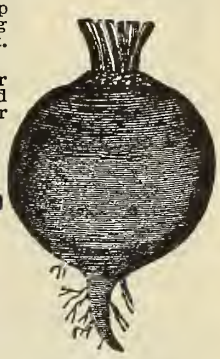
Early Flat Red or Purple-Top. (Strap-leaved.) The standard for this country. Superior for early or late planting. Round, flat, good sized, small top, with but few leaves, flesh very fine grained, flavor good. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. **50c.**

Extra Early Purple-Top Milan.

Amber Globe. This we recommend highly, and is almost indispensable in every rural household for its table use or stock. Pkt. 5c; oz. 10c; 4 oz. 15c; lb. 50c.

Large Early Purple-Top Globe. Similar to above except shape. This is the largest yielder of any turnip on the list, and very desirable for table or stock. Pkt. 5c.; 4 oz. 15c.; lb. **50c.**

Large Early Purple-Top Globe.



Amber Globe.

Extra Early White Egg. Very early and particularly desirable for the table, flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg-shaped. For spring or fall sowing. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Early White Egg.

Extra Early Dutch. Rather flat, good white early sort. Pkt. 5c.; oz. 10c.; 4 oz. **15c.**; lb. 40c.

Early Snowball. Extra early. This is a small white globe, very quick, the earliest in maturity of its form and character. We highly recommend it for table purposes. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Long Cowhorn. Carrot-shaped, short, of delicate flavor for table. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 60c.

Pomeranian White Globe. (Strap-leaved.) This is a free-growing, rough-leaved sort, useful for both table and stock, and may be recommended for both purposes. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Golden Ball. A small yellow turnip of second size, early and a good keeper, very good for market and table. Pkt. 5c.; oz. 10c.; 4 oz. 20c. lb. 60c

Sweet German. This variety partakes largely of the nature of the Rutabaga, and should be sown a month earlier than the flat Turnips. The flesh is white, hard, firm and sweet; good for winter and spring use. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

White Sweet or White Russian. Similar to the Sweet German. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

Yellow Aberdeen or Scotch Yellow. This is highly approved as a market and cattle Turnip, attaining a large size. It is solid, nutritious, a good keeper, and is in every respect splendid for table use. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

The Monarch Swede. This new and distinct form of Rutabagas we believe by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark, red above ground and yellow below, flesh rich yellow, fine grained and best quality. For earliness, quality and weight, it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other Swede, while the large percentage saccharine matter contained in the root makes it very palatable and nutritious to stock fed on it. Monarch Swede is of handsome shape and distinct appearance. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

Sweet German.

Improved American Purple-Top Rutabaga. The leading variety and largely grown for stock as well as family use, hardy, productive, solid, sweet. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

Champion Swede or Yellow Rutabaga. (Imported.) A superior English grown Rutabaga, the best to be had abroad. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

The Monarch Swede.

TOBACCO SEED

Sow the seed in frames the latter part of March, or in open ground when the soil has become settled and warm. Keep well watered; and when the plants are two inches high they may be transplanted in rows three feet apart each way. Tobacco requires a very rich, light mellow soil.

Connecticut Seed Leaf. Best adapted to the climate of the Middle and Northern States, as it is more hardy and endures the cold better than the tender varieties. Pkt. **5c.**; **ounce 25c.**; **¼ lb. 75c.**

Ohio Seed Leaf. Pkt. 10c.; ounce 50c.

Imported Havana. Pure Cuban grown seed, and when grown in this country commands a high price for cigar stock. Pkt. 10c.; ounce **50c.**

White Burley. Improved, the Western favorite. Pkt. 10c.; ounce 50c.

Zimmer's Spanish. Pkt. 10c.; **ounce 75c.**

SEEDS OF SWEET, POT AND MEDICINAL HERBS

Aromatic herbs are those which possess medicinal as well as culinary properties, and should be found in every garden. They impart a pleasant, spicy odor, and are quite savory to the taste. To secure the herbs for use cut them on a sunny day, and spread thinly in the shade to dry.

Sweet Basil. **Sage.** **Sweet Marjoram.** **Summer Savory.** **French Thyme.**

Those marked with an asterisk (*) are perennial.

Anise (Pimpinella anisum). Used for cordial, garnishing and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.

Balm (Melissa officinalis). The leaves have a fragrant odor, and are used for making a pleasant beverage known as balm wine; also for balm tea, for use in fevers. Per pkt. 5c.; oz. 15c.

Basil, Sweet (Ocymum basilicum). The leaves are used for flavoring soups, stews, and highly seasoned dishes. Per pkt. 5c.; oz. 15c.

Bene (Sesamum orientale). Too tender for the North, but much used in the South. The seeds furnish an oil used for softening and whitening the skin. The leaves immersed in water make a drink very beneficial for diarrhoea. Pkt. 5c.; oz. 15c.

Borage (Borago officinalis). The leaves are used for flavoring, and the flowers furnish bee pasture. Per pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

***Caraway** (Carum carui). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Per pkt. 5c.; oz. 10c.; ¼ lb. 25c.

***Catnip or Catmint** (Nepeta cataria). The leaves are used for seasoning; it makes, also, an excellent bee pasture. Per pkt. 10c.; oz. 30c.

Chervil. Used for soups and flavoring. Pkt. 5c.; oz. 15c.

Coriander. (Coriandrum sativum). The seeds are used in the manufacture of liquors and confectionery. Per pkt. 5c.; oz. 10c.; ¼ lb. 25c.; per lb. 75c.

Dill (Anethum graveolens). The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment, and also for pickling with Cucumbers. Per pkt. 5c.; oz. 10c.; ¼ lb. 20c.; per lb. 60c.

***Fennel, Sweet** (Anethum foeniculum). The leaves boiled are used in sauces. Pkt. 5c.; oz. 10c.

Hop Seed. Used medicinally. Pkt. 10c.

***Horehound** (Marrubium vulgare). The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Per pkt. 5c.; oz. 20c.

***Lavender** (Lavendula spica). The variety generally sold. Per pkt. 5c.; oz. 15c.; per lb. $1.25.

Marjoram, Sweet (Origanum marjoram). The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Per pkt. 5c.; oz. 15c.; ¼ lb. 40c.; per lb. $1.50.

Pennyroyal. Used medicinally. Pkt. 10c.

Peppermint. For flavoring. Pkt. 25c.

***Rosemary** (Rosmarinus officinalis). The aromatic leaves are used for seasoning. Pkt. 5c.; oz. 35c.

***Rue** (Ruta graveolens). For medicinal purposes; good for fowls, for the roup. Pkt. 5c.; oz. 15c.

Saffron. Used in medicine and dyeing. Pkt. 5c.; oz. 10c.

***Sage** (Salvia officinalis). The most extensively used of all herbs for seasoning and dressing; indispensable. Per pkt. 5c.; oz. 15c.; ¼ lb. 40c.; per lb. $1.50.

Summer Savory (Satureia hortensis). The leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Per pkt. 5c.; oz. 10c.; ¼ lb. 30c.; per lb. $1.00, postpaid.

***Winter Savory** (Satureia montana). The leaves and young shoots are used for flavoring. Per pkt. 5c.; oz. 20c.; ¼ lb. 60c.; per lb. $2.00, postpaid.

***Tansy** (Tanacetum vulgare). Pkt. 5c.; oz. 30c.

***Tarragon.** Has aromatic leaves that are used in seasoning or salads; also for flavoring vinegar. Pkt. 25c.

***Thyme** (Thymus vulgaris). The leaves and young shoots are used for seasoning; a tea is also made for nervous headache. Per pkt. 5c.; oz. 40c.

***Wormwood** (Artemisia absinthium). Used medicinally, and is beneficial for poultry; should be planted in poultry yards. Per pkt. 5c.; oz. 25c.

VEGETABLE PLANTS AND ROOTS

We take all possible pains to have the Vegetable Plants and Roots here offered true to name and to arrive in good order, but can give no warranty, expressed or implied, as to quality, productiveness, etc., and will not in any way be responsible for the crop. Each order will be executed on these conditions only and must be accepted by our customer at time of purchase.

ASPARAGUS ROOTS.

By purchasing Good Strong Roots one or two years' time is saved.

Columbian Mammoth White. By mail, postpaid, 50 roots, $1.00; 100 roots, $1.50. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.50.

Conover's Colossal. By mail, postpaid, 50 roots, 60c.; 100 roots, $1.10. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.00.

Palmetto. By mail, postpaid, 50 roots, 70c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 75c.; 500 roots, $3.00; 1,000 roots, $5.00.

Barr's Mammoth. By mail, postpaid, 50 roots, 70c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 75c; 500 roots, $3.00; 1,000, $5.50.

CABBAGE

From January 15 to May 15. By mail, 75c. per 100. By express, 100, 65c.; 1,000, $5.00
From June 1 to August 1. By mail, 75c. per 100. By express, 100, 60c.; 1,000, $3.00

CAULIFLOWER

Snowball. By mail, doz. 25c.; 100, $1.25. By express, 100, 75c.; 1,000, $6.00

CELERY

By mail, 75c. per 100. By express, 100,.65c.; 1,000 $5.00.

EGG PLANT

By mail, $1.00 per 100. By express, 100, 75c.; 1,000, $5.00.

LETTUCE

By mail, 60c. per 100. By express, 100, 50c.; 1,000, $3.00.

PEPPER

Chinese Giant. By mail, 85c. per 100. By express, 100, 75c.; 1,000, $5.50
Other Varieties. By mail, 80c. per 100. By express, 100, 70c.; 1,000, $5.00

SWEET POTATO

By mail 50c. per 100. By express, 100, 35c.; 1,000 $3.00.

TOMATO

By mail, $1.00 per 100. By express, 100, 75c.; 1,000 $5.00.

POT GROWN TOMATO PLANTS

These plants are grown in 4½" paper pots and will bear fruits much earlier than the plants that are pulled from boxes. We can supply the following varieties: Sparks Earliana, Dwarf, Champion and Stone. These plants can be sent by express only owing to their size and weight. Price each 15c.; per dozen, $1.25.

☞ PRICES GIVEN IN THIS DEPARTMENT SUBJECT TO MARKET CHANGES. ☜

FIELD SEED DEPARTMENT

We are recleaners of all kinds of field seeds, having power cleaners operated by electric motor, and can give you as even grades of field seeds as can be bought anywhere. Send your order to us when you want the very best seed. (Cotton Bags 25 cents.)

CHOICE SPRING SEED BARLEY.

(48 lbs. to bushel.)

Quantity of seed sown per acre is about 1½ to 2 bushels.

NOTE—This crop is receiving more attention in some sections of the country than formerly, and is now considered more profitable than the wheat crop. It brings a fair price on the market, and makes excellent feed for stock. The best soil for barley is a light, friable loam, but it does well on most clay lands that receive good cultivation and are properly drained.

Ohio Beardless Barley.

Ohio Beardless Barley. This beardless Barley is of recent introduction, and we know will please our friends. Like other grain, large yields cannot be had each year, but on an average immense yields are reported to us. It is six rowed and of unusual length of head. It is earliest to ripen, therefore good for all sections. The straw is stiff and will stand up on any soil, and will produce 80 bushels and more to the acre. This is the only Barley fit to feed to stock. Every farmer should try it, it can be sown early; frost will not hurt it; weighs twice what oats does per bushel, so worth more to the farmer as a crop. Be sure to try it. Price, peck 50c.; bushel $1.75. In lots of 10 bushels and over, special price.

Manshury Barley is one of the very best six-rowed Barleys grown; for malting it is the very best known; is early in ripening, which helps it to fill well, thus it always fills plump; six-rowed has a strong upright straw that makes it easy to harvest; yields from 50 to 80 bushels per acre. Heads of this Barley are very long and contain 75 to 100 heavy kernels of grain. Peck 40c.; bushel $1.50. Special price for 10 bushels and more.

"Seedolin" Liquid Dressing for Oats, Wheat, Seed Corn, etc. Prevents smut, fungus and vermin. Half-gallon cans, sufficient for 16 bushels wheat, corn, beans, peas, vetches, etc.; or 14 bushels of barely, rye or 12 bushels of oats. Price, $1.45 per ½ gal. Full direction with each can.

SEED BUCKWHEAT.

(50 lbs. to bushel.)

Sow from three pecks to a bushel to the acre.

NOTE—Buckwheat thrives on comparatively poor land; can be planted so late as to prove a profitable second crop to follow early grass, peas, potatoes, etc. Good to plow under for green manure.

Early Japanese. Sown at the same time with Silver Hull, is about two weeks earlier. The kernels are twice the size of any other Buckwheat, of a rich, dark brown color, and manufactures a superior flour. Peck 40c.; bushel $1.50.

European Silver Hull Buckwheat. Yields more and produces more flour than the common. Is longer in bloom than the ordinary sort. Husk is very thin, grain is rounder, of a beautiful light gray color. Peck 40c.; bushel $1.50.

Common Gray. The old, well-known sort. Peck 35c.; bushel $1.25.

For large lots special prices on application.

IMPROVED BROOM CORN.

48 lbs. to bushel. Sow from 10 to 12 quarts per acre.

Improved Evergreen. The Improved Evergreen Broomcorn grows about seven to nine feet high, stands up well, and is free from crooked brush. Its greatest value to growers is the fact that it will not get red in the field before it is cut, but is strictly a green variety of brush, and will always command highest price. Lb. 10c.; ½ peck 35c.; peck 60c.; bushel $2.00. (By mail, postage extra 8c. per lb.)

Early Dwarf or Mohawk. Grows from three to five feet high and produces short, fine brush, suitable for whisk brooms and brushes. Lb. 10c.; ½ peck 35c.; peck 60c.; bushel $2.00. (By mail, postage extra 8c. per lb.)

FODDER AND ENSILAGE CORN.

Good fodder and plenty of it, supplemented by a generous grain ration, is as essential as good cows in profitable dairying, and when well grown and properly cured is far better than average hay. To secure the full nutritive value of Corn Fodder, it should be planted in drills three feet apart, and at the rate of 12 to 16 quarts per acre.

The Celebrated Red Cob Ensilage. A southern type of large white Corn with deep red cob; strong, leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers we sell to every year. Price, shelled, peck 40c.; bushel $1.25; in bags of 2½ bushels $3.00.

SWEET CORN FOR FODDER.

There is nothing better for green food, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Farmers in this section should raise more Sweet Corn as feed for young hogs, which is sure to give better results than feeding common field corn. Also excellent for soiling. Sow thickly in drills or broadcast, at the rate of two or three bushels per acre. Peck 90c.; bushel $3.00.

SUGAR CANE SEED.

Drill, 4 to 6 lbs. per acre; broadcast, 10 to 12 lbs.

Early Amber. This is a standard variety now being successfully grown even in the extreme northern latitudes. It may be planted as late as the 15th of June, and will be ripe enough to manufacture in September. It is the earliest variety with which we are acquainted. The beautiful amber-colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. It is useless to plant Cane Seed before the weather is warm in spring. Our stock is choice. Price, 10c. per lb.; 10 lbs. 65c.; 50 to 100 lbs. 5c. lb.

Early Orange. Another favorite sort. Price, 10c. per lb.; 10 lbs. 65c.; 50 to 100 lbs. 5c. lb.

SORGHUM FOR STOCK FODDER.

Sow different times up to July 15, at the rate of 20 lbs. per acre. Dairymen, and in fact every farmer, should grow it for horses, cattle and hogs, as they eagerly eat and relish it, and nothing pays better. Dairymen especially should grow this sugar cane seed, as it gives them the best green fodder just in time when pasture is dried up, and will produce more and better milk than any other forage plant, even clover. 8c. per lb.; 10 lbs. 50c.; 20 lbs. 90c.; 50 to 100 lbs. 4c. per lb.

NON-SACCHARINE SORGHUMS.

15 to 20 pounds will plant an acre.

These varieties bear warm weather well. They grow on any land where corn will, even on land too poor for corn.

Kaffir Corn or Sorghum. Kaffir Corn is now successfully cultivated for both forage and grain in all sections of the United States. It is the best general-purpose plant of all the varieties of Sorghum yet offered, and will make a paying crop on land that will not yield five bushels of corn or wheat. It is as early as Amber Cane. It will make a fine crop of forage if cut in early bloom, and the shoots that then follow will make a good second crop to feed green or dry for winter. Per lb. 10c.; 10 lbs. 40c.; 20 lbs. 75c.; 50 to 100 lbs. 3c. per lb.

CHOICE SELECTED NORTHERN GROWN SEED CORN

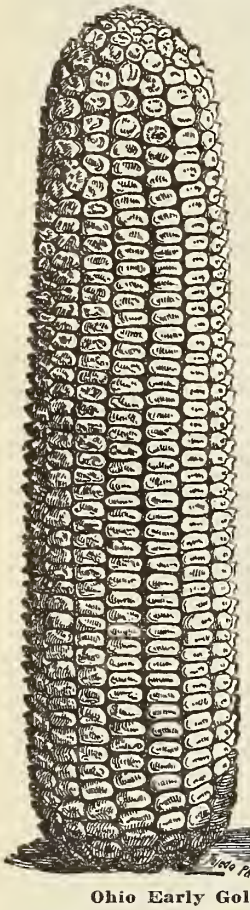
The Seed Corn we Offer here is Grown for Seed and Tested for Germination.

We have for years made a careful study of the best varieties of Corn grown in the United States, and fully appreciating the great importance to the farmer of **good field crops,** especially Seed Corn, we hold that Corn grown in our section of the United States, just at the edge of Michigan, is far preferable for planting in the Eastern, Middle and Southern States, to the Western-grown. Corn grown in our section will mature sooner and make far better yield than the Western-grown. Our seed Corn will do better in the West than their own to plant. We have given particular attention to this department of our business, and have made **Selection and Improvement of Farm Seeds a Specialty,** exercising great care to secure the best varieties, thoroughly cleaned and of the best possible quality.

We make it an invariable rule to test our Seeds carefully before sending out, and our customers may depend upon getting Seed Corn that will grow perfectly under favorable circumstances.

☞ At prices given we charge **25** cents **Extra for Cotton Bags, f. o. b. Toledo.**

A bushel of Corn (either 56 lbs. shelled or 68 lbs. in the ear), will plant from seven to eight acres of land.



Ohio Early Gold Mine Corn.

Ohio Early Gold Mine Corn. Is the best Yellow Corn that grows, also the easiest to husk and shell. It is early, ripening only a few days later than the Pride of the North; ears are of good size and symmetrical; color, a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint; grain is very deep, cob small, and therefore it dries out very quickly as soon as ripe. **Seventy pounds of ear corn make sixty to sixty-two pounds of shelled corn,** and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon. Price, peck 60c.; bushel $2.00.

Longfellow Flint. An eight-rowed Yellow Flint variety. Ears from 10 to 15 in. long (shape shown in illustration), 1½ to 1¾ inches in diameter, well filled out to extreme end of cob. Cob small, kernels large and broad. Ear 20c.; quart 20c.; peck 60c.; bushel $2.25.

Thoroughbred Rural Early Large White Flint Corn. This large early White Flint Corn was introduced for the first time by the "Rural New Yorker," and it has proved itself to be the largest early Flint Corn in cultivation; a wonderful yielder, from three to four ears of 12 to 18 inches on one stalk; strong grower even on light soil. Quart 20c.; peck 60c.; bushel $2.25.

Extra Early King Philip (Improved Flint). This excellent red or variegated Flint Corn is so well known that it needs no special description. Quart 20c.; peck 60c.; bushel $2.25.

Extra Early Huron Dent Corn. After a trial on a large scale, we have concluded that this is the earliest Dent Corn grown. Good size stalk and ear, small red cob, long deep grain, very rich in oil and starch, and is the only smooth very early Dent Corn known. Ears wonderfully perfect, grained even on both ends of cob; has quick, rank, strong growth, and is very productive; it heads the list of all extra early varieties. Our supply is genuine and from the originator's stock, strictly pure and carefully selected. Quart 20c.; peck 60c.; bushel $2.00.

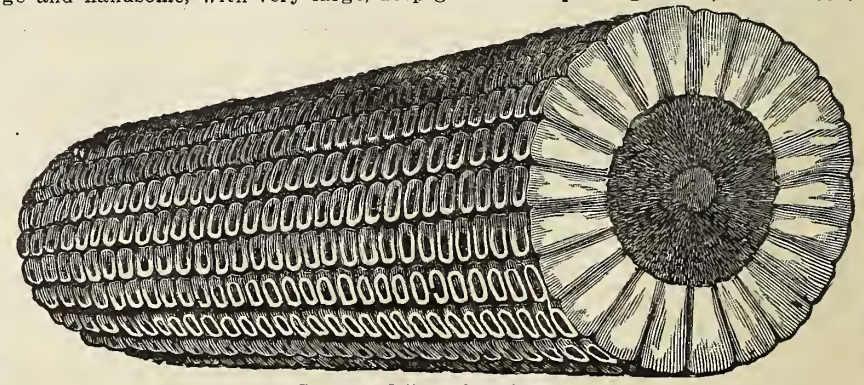
Maumee Valley Extra Early Gilhouse. A hybridized Yellow Dent and Flint Corn; a beautiful light yellow, kernels two-thirds of an inch broad, eight-rowed, grows of medium height, enormous yielder, two to four good sized ears on stalk; the earliest of all the Corn, will make a crop and ripen if planted as late as July 1st. The finest kind for meal and stock. By mail, ear 20c.; quart 30c. By express, peck 60c.; bushel, $2.00.

Longfellow Corn.

New White Cap Early Yellow Dent Corn. This new Corn has shown more fine and lasting points than any Corn in cultivation. The tip-ends of the grain are white, the inside yellow, making it a beautiful color, both on the cob and when shelled. Expert Corn growers pronounce it a perfect field corn, as to yield, size of ear, color, size of cob and growth of fodder. No corn in the world will yield as well on poor, thin land, and none stands the drouth as well, while on strong, rich land its yield is wonderful. Large growers in the great corn belt, as well as those out of it, will be pleased with this Corn, because, 1st—It is as natural a yielder as weeds. 2d—It will yield large crops on poor, thin soil. 3d—The ears are large, handsome and well filled. 4th—It is sure to mature in 85 to 95 days. 5th—It husks easy and shells easy. 6th—It commands the highest market prices. 7th—It will grow more bushels on poor, thin land than any other kind in the world. 8th—Stands the drouth better than 60 other kinds grown in the same county. 9th—It has small cob and large number of rows on cob, making a wonderful yielder. 10th—It will out-shell and out-yield the Leaming Corn. 11th—It grows its fodder strong. 12th—It combines more genuine merit for all soils and climates than any corn in cultivation. 13th—It is sure to please all who give it a trial. We highly recommend this Corn to our friends, and hope they will give it a trial. Price per peck, 60c.; bushel $2.00.

Improved Leaming Corn. The True Improved Leaming Corn is a pure, fixed and distinct variety. It is not a hard, flinty corn, but sweet and nutritious, making excellent feed and the finest meal, its quality not being surpassed by any other known variety. The ears are large and handsome, with very large, deep grain of deep orange color, and red cob. Produces two good ears to each stalk, and husks and shells easily; good producer. Price, quart 20c.; peck 60c.; bushel, $2.00.

The Clarage Early Yellow Dent Corn. This is an Early Yellow Dent Corn, and suitable, if necessary, for late planting. The Ohio State Board of Agriculture grew it on the grounds of the State Experimental Farm, and gave it in their report the highest recommend of all the early varieties of Yellow Dent Corn, in earliness, the number of bushels to the acre, average ears to each stalk, size of ears and least per cent. of nubs. It is of good, bright color, ear very even in size its entire length, and kernels set square in rows; 14 to 18 rowed; it is a week earlier than any other Dent Corn, and large ears. We introduced this valuable variety of corn years ago, and must say that we never sold Seed Corn which gave such universal satisfaction. Quart 20c.; peck 60c.; bushel $2.00.



Improved Leaming Corn.

"Planet Jr." Horse Hoes and Cultivators are the Best. For description and prices, see pages 87 and 88.

SEED OATS

Choice Selected Northern-Grown Seed, Thoroughly Recleaned.

Broadcast or Drill, from 2 to 3 Bushels per Acre.

We are not great believers in fancy Oats at extravagant prices, but we do believe an occasional change of seed is a paying investment, and that new hybrids have been introduced of great value. The stock we offer was especially grown for us for seed, and carefully recleaned by us, and who would not grow pure, reliable, choice improved heavy oats, in preference to the light, mixed, chaffy kinds, that only yield half a crop of inferior quality? Cotton bags extra, 25 cents each.

New Prosperity Oats

Swedish Select Oats. A variety introduced from Russia by the Department of Agriculture some time ago and now well acclimated in the U. S. The straw is coarse and noted for its stiffness and power to withstand lodging. The grains are pure white in color, large, thick and plump, making a very handsome appearance. The heads are large, upright and bushy; they are also nearly all meat, the hull being exceedingly thin, making them especially valuable as a feeding oat. Their great root development enables them to resist drought better than most other kinds. They are quite early and are less liable to smut and rust than most any other sort. Price, peck 35c.; bushel $1.00; 10 bushels and over, **90c.** per bushel.

Improved American Banner Oats. We offer you carefully grown Seed, raised entirely from selected stock. The result of this care in selection is shown in the crop, which is the finest ever grown, and averaging upwards of 80 bushels to the acre. So that the seed now offered as The Improved Banner Oats is the very best, and every one should renew their stock at once.

This wonderful grain stands the test even in the driest seasons, and to-day, after hundreds of trials in all parts of the country, its fame is higher and more secure than ever before. Reports from all sections indicate a satisfaction that is truly gratifying, but not more than was expected when it was first sent out. For it had been thoroughly tried and proved to be the **most prolific variety of Oats on record.** One hundred bushels to the acre have been raised, and that certainly ought to satisfy the most exacting. On fields to which no fertilizer has been applied for two years, 70 bushels to the acre have been produced. This year all that has been claimed for it has again been realized, and so it stands to-day as the Improved Banner Oats of America.

New Prosperity Oats. These oats are of recent introduction, and have been grown by us the last two seasons, and we assure you they are a winner.

The grain is white, large and plump; ripens early, has a stiff straw of good length. It tetters freely and throws up a large number of stems, and therefore can be sown thinner than ordinary Oats. It is as nearly rust-proof as any Oats can be. Every one who raises Oats should try the variety. An Oat that will yield 60 to 80 bushels to the acre with ordinary culture is good enough to raise and good enough for everybody to make a trial of. On good soil and with good weather it will go far ahead.

Price, peck 35c.; bushel $1.00; 10 bushels and over, 90c. per bushel.

Improved Black Tartarian. These Oats were grown specially for seed from pure imported stock from Europe, which we have grown in sufficient quantity so that our customers can have a chance to try its merits. The grain is very large, shiny, plump and full, very thin hull, and it is exceedingly prolific, having yielded at the rate of 100 bushels to the acre with only ordinary cultivation, and has proved absolutely **rust-proof** where other varieties were destroyed by rust; weighing 48 pounds to the measured bushel. Peck 25c.; per bushel **90c.** 10 bushels and over 85c. a bushel. Larger lots special price. Samples mailed on application.

The Famous Lincoln Oats. We have had grown for us a very fine stock of these New Lincoln White Oats, introduced in the Western States with such grand results as to its wonderful productiveness, some reporting as high as 174 bushels from a single bushel of seed sown; claimed to have a remarkably stiff straw, standing up well on all kinds of soil; very early, and so far proven entirely rust-proof; it is very valuable for seeding on account of its thin hull, heavy meat and soft nib. From what reports we have we think these Oats ought to be grown by every progressive agriculturist, especially when the price we offer them at is so reasonable. Price, peck 25c.; per bushel **90c.**; 10 bushels and over 85c. a bushel; large lots, special price.

New Sensation White Oats. These Oats are of our own raising and are about 10 days earlier than the common oats. With short, stiff straw that will not lodge or rust. We cheerfully recommend it to all of our customers who are in need of a first-class white oat. The grain is very heavy, an immense yielder, and an all-around good oat. Price, peck 25c.; per bushel **90c.**; 10 bushels and over 85c. a bushel. Larger lots, special prices.

FLAX SEED.

56 lbs. to Bushel. Sow 1 to 1½ Bushels per Acre.

Flax. Extra recleaned for seeding. **Lb. 10c.; peck 75c.; bushel $2.50.**

CANADA FIELD AND COW PEAS.

Sow from 1 to 2 Bushels per Acre. Cotton bags 25 cents.

White and Blue Varieties. They are used mostly for field culture. In their dry state they are used extensively for feeding pigeons, making soups, also table use; in their green state for turning in hogs.

Canada Field Peas. From one to two bushels, according to soil, are sufficient to sow per acre. Bushel $2.50; peck 75c.; quart 10c.; pint 5c. Price subject to market changes.

Cow Peas (Whip-poor-Will), and Other Varieties. The best for soiling. Broadcast 1½ bu. per acre. Nothing better for stock of all kinds, green or dry state. Quart 20c.; bushel $3.00. Special prices for 10 bushels and larger orders.

Soy Beans. Early, yellow. Quart 20c.; bushel $3.25. **Large order special price.**

RAPE SEED.

(Sow 5 lbs. per acre.)

True Dwarf Essex English Rape Seed. Mr. Owen, of Norwalk, a customer of ours, seeded three-fourths of an acre to Rape and pastured 60 hogs on it all season, and they grew fat. The hogs had access to this field at will, and at the end of the season the patch was still green. Think this over carefully and try it. Millions of acres of good land that annually lie idle or run to weeds in this country in the latter part of the season, after the grain, potato and hay crops have been harvested, might be made to produce one of the finest feeds imaginable, and in the greatest abundance, at a time when cattle and sheep are roaming through the pastures in search of a scanty living. Rape may be sown broadcast at the rate of five pounds per acre and harrowed in, or the land may be thoroughly harrowed and the seed sown in drills. Under favorable conditions it is ready for pasturing pigs, sheep and cattle within six week from the time of sowing, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. There are several varieties of Rape, but care should be taken to procure the genuine Dwarf Essex, which does not seed the same season as sown, and seed is larger than the common Rape and Mustard Seed usually used and sold for bird seed. Rape Seed can be sown and cultivated in the growing corn. Price, lb. 10c.; $6.50 per 100 lbs. Cotton bags 25c.

SEED RYE.

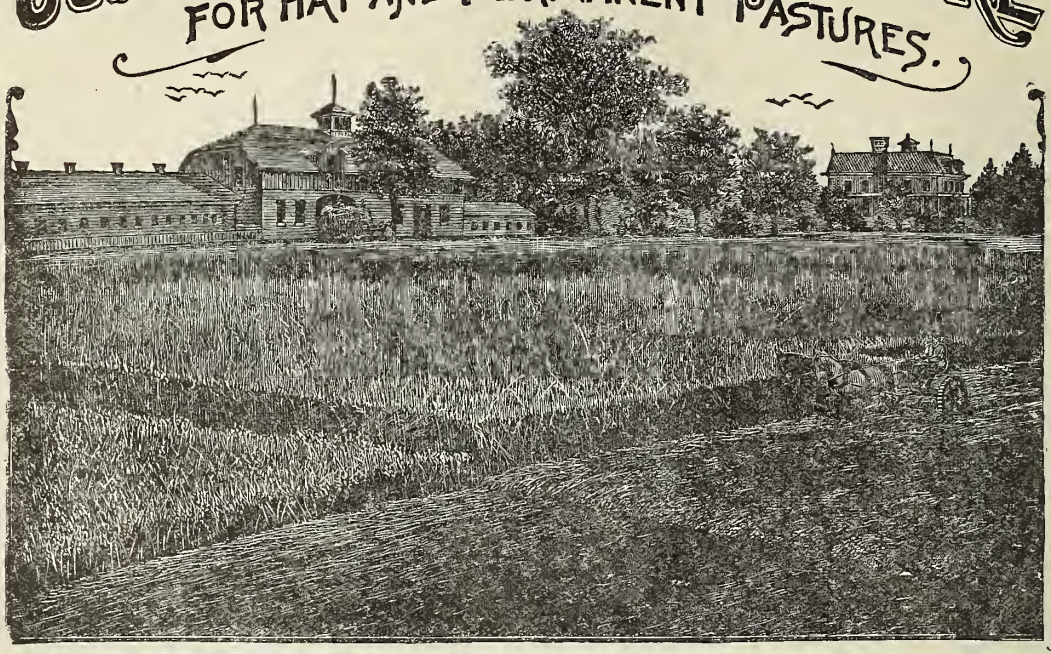
(Sow from 1 to 1½ bushels per acre.)

Very little attention has been paid to fertilizing this crop until lately, but recent experiments have shown that it pays as well to feed the Rye crop liberally as almost any other. It is a good crop to grow for green manuring. We know of some farmers on clay lands who grow corn every year and keep up the fertility of the soil by using fertilizers and rye as a catch crop, which turned under in the spring keeps plenty of humus in the soil and the land improving all the time.

Spring Rye. For early seeding. Per peck, 40c.; bushel, $1.50. **Mammoth White Rye.** For fall seeding. Per peck, 35c.; bushel, $1.25.

OUR SPECIAL GRASS MIXTURE
FOR HAY AND PERMANENT PASTURES.

Buy good, first-class Seed, and although high priced to start with, saves Money, Time and Labor in the Long Run.



All the different Grass Seeds entering into the below mentioned Mixtures are thoroughly recleaned by the latest improved machinery.

No Fertilizer Used. **Fertilizer Used.**

One thing is certain, that good pasture land is the foundation of the riches of a farm.

GRASS MIXTURES FOR PERMANENT PASTURES.

The past years have demonstrated the necessity of devoting more attention to good pastures. A pasture or meadow of Mixed Grasses is far superior to Clover and Timothy.

There is an increasing demand for grass seeds for remaining down for two or more years, and the system of extending the period during which rotation grasses remain down has many advantages, while the cost of suitable seeds is much less than those for permanent pasture.

No. 1. Grass Mixture for Permanent Pasture. The base of this special mixture is **Orchard Grass,** which yields as abundant crops as the ordinary mixture of "Timothy and Red Top," and is also **a much more permanent grass** than Timothy; with the great luxuriance of its aftermath it possesses remarkable powers of enduring the cropping of cattle. Besides Orchard Grass, this mixture is made up of **Our Northern Red Top** (which grows taller and makes better hay than the Red Top from the South), and English Rye Grass, Tall Meadow Oat Grass, English Blue Grass, Kentucky Blue Grass and Alsike Clover Seed, which gives permanency to the sward. From 25 to 35 pounds should be sown to the acre. This mixture is good on any soil. **Per lb. 25c.; per 100 lbs. $17.00.**

No. 2. For Mowing and Grazing in Orchards and Shaded Situations. English Rye Grass, Timothy, Meadow Foxtail Grass, Orchard Grass, Wood Meadow Grass, Italian Rye Grass, Tall Meadow Oat Grass, Mammoth Clover, Red Top Grass and White Clover. Allowing 20 pounds per acre. Per lb. 25c.; **per 100 lbs. $17.00.**

No. 3. For Pastures on Any Soils. Timothy, Meadow Fescue or English Blue Grass, Meadow Foxtail Grass, Red Top Grass, Orchard Grass, Kentucky Blue Grass, Lucerne Clover, Alsike Clover, White Clover. Allowing 20 pounds per acre. Per lb. **25c.; per 100 lbs. $18.00.**

No. 4. For Ordinary Pasture. Orchard Grass, Kentucky Blue Grass, Timothy, Red Top, Red and Alsike Clover Seed. Allowing 25 pounds per acre. Per lb. 20c.; 100 lbs. **$15.00.**

No. 5. For Wood and New Ground Pasture. We have a mixture of the following grasses, which we offer at such price that any one who has any room and need for same will no doubt avail themselves of our very low offer: Orchard Grass, Blue Grass, Red Top Grass, Timothy, low-grade Alsike and other Clovers. Allowing 30 pounds per acre. Per lb. **20c.; per 100 lbs. $17.00.**

Grasses and Clover Seed. We issue a daily price list of all **Clovers, Timothy and other Grass and Farm Seeds,** which will be sent free upon application.

SUNFLOWER—MAMMOTH RUSSIAN.

CULTURE.—The Sunflower, during the past few years, has attracted considerable attention as a profitable field crop, its leaves being used for forage and its seed for poultry and the manufacture of oil. It is also planted with satisfactory results on low, swampy ground, to avoid miasma.

Mammoth Russian. Striped seed. **Mail per lb. 20c.;** 50 lbs. and upward 6c. per lb. This is one of the best egg-producing foods known for poultry, keeping them in fine condition. Cotton bags, **25c.**

VETCHES OR TARES.

Sow 30 lbs. per acre with one-half bushel grain to hold up.

Kidney Vetch. Price 25c. lb. not prepaid. Per 100 lbs. $20.00.

Spring Vetches or Tares. Price 15c. lb. not prepaid. Per 100 lbs. $6.00.

The Hairy or Sand Vetch. (Vicia Villosa.) This has proved to be the most valuable of all Vetches. It succeeds on all soils and does not suffer from extreme drouth, heat or cold. Sown in spring or fall it quickly produces a most luxuriant growth. The vines are very similar to Pea vines, but more slender and much more thickly clad with leaves and side stems, so will furnish the very best of feed. From tests made by Ohio's Department of Agriculture, the Hairy or Sand Vetches do well and will remain green throughout all but the most severe winter weather. Makes as good hay as Mammoth Clover and cattle eat it as readily. A good plan is to seed with Rye in the fall of the year, as the rye helps to keep it loose and hold it up so that it can be cured more easily. For reclaiming sandy soils it has no equal. Try it. **Price, 15c. lb., not postpaid; $10.00 per 100 lbs. by freight or express.**

BROADCAST GRASS SEED SOWERS

HAND AND WHEELBARROW.—We sell the celebrated Thompson Wheelbarrow Seeders, also the Little Giant Bow and Crank Seeders. For prices and description see page 85.

GRASS SEEDS

High-Grade Extra Clean Clovers, Timothy and Other Grass Seeds.

Toledo, Ohio, is the greatest Clover Seed market in the world, and we are right in the seed belt. Our Pioneer Brands Medium and Choice Mammoth Clover Seed are the purest and best cleaned of all. Our large mail-order trade has been built up by honorable dealing, handling the best grades, and giving our customers just what they pay for and expect to get. We have pleased thousands, according to their friendly testimonials, and will please any one who will favor us with their order, and ask you to write us for samples and prices whenever wanting to buy in large or small quantities.

We pay particular attention to this part of our business. These seeds are selected and tested with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds pure and free from noxious and foreign seeds. We grow and buy our stock of growers, and keep in stock large quantities of Clover Seed and other Grass Seeds, cleaned by the most improved electric machinery. Our Clover Seed, Medium and Mammoth, is kept separate and not mixed. Our prices are as low as any reliable seedsman can sell such Clover and Grass Seeds for. It is better every time to pay a little more and get the genuine unmixed and clean seed. Clover is the foundation of all farming. We are in a position to save you money every time on Grass and Clover Seed. Send us your order, or apply for prices and samples.

Kentucky Blue Grass, English Rye Grass, Orchard Grass and Red Top, in lots of five bushels and over, **no charge for bags.** For all other seeds, cotton bags extra. Your orders are solicited and will receive prompt and careful attention, and will be filled at lowest market price on receipt of same.

When in the market to buy, write for our Field and Seed Price List, mailed free.

Cotton Bags extra, 25 cents each.

Prices given below for the Field Varieties are for the present only as the market changes daily.

Alfalfa Clover.

Alfalfa or Lucerne Clover (Medicago Sativa). Alfalfa is a wonderful forage, fertilizer and hay plant; the greatest cropper of all Clover and Grass varieties; will produce three to four crops in the season, in California and Mexico seven crops; will thrive and grow on dry, barren, sandy, gravelly and hilly land, where no other plants live. The Alfalfa sprout sinks its roots deeply after moisture and nourishment, and the severest drouth has no effect on it, the barren soil keeps covered with a beautiful green crop; also stands wet, heavy rains, deep snows and cold winters. Nothing better to renew old worn-out land. The crop is a short one this year. It is now grown successfully in Ohio. Seed can be sown either in the spring or fall at the rate of 15 to 20 lbs. per acre, the best months for seeding being May and August. Be sure the land you seed to alfalfa has good surface drainage, for water standing on the land for any length of time in winter is certain to kill it out. For a nurse crop use Oats and Beardless Barley. Price: Pound 30c., postpaid 40c.; Market price in quantity.

Turkestan Alfalfa Clover. Imported from Turkestan and said to be more hardy than our home-grown seed. Price: Pound 30c.; postpaid, 40c. Market price in quantity.

Alsike Clover. Swedish Clover (Trifolium Hybridum). So called from being intermediate in its appearance between the Red and White Clovers, possessing qualities common to both, being productive, sweet and permanent. Is valuable for pasturage or soiling; makes the finest hay sown with or without Timothy. The flowers are a distinct light pink and afford fine pasturage for bees. Sow 8 pounds per acre. Pound, postage paid, 40c. Market price in quantity.

This seed has in former years been mostly sold for export, but there is a growing demand for same in this country, as it makes one of the best forage and hay crops and great yield in seed.

Bokhara Clover. Honey plant (Melilotus Alba). Excellent for bee food, growing well on poor soil. By mail postpaid, 40c. per pound. Market price for quantity.

Crimson or Scarlet Clover (Trifolium Incarnatum). Is an annual variety in common use in Italy, France, and of late in this country. The best time for sowing is in the early fall. It is a rapid grower; the yield is immense, and for feeding green late in the fall and early spring it has no equal. Sow also in the months of April and May, for hay, pasture, and as a fertilizer, with excellent results. As an improver of the soil or for an early Summer forage or hay crop, it is unsurpassed. As a green manuring crop for grain, fruit or trucking crop it gives the very best results, while for improving poor land it has no equal. It succeeds on nearly every kind of soil, and is now grown largely in all the Middle States, and has succeeded in every State in the Union where tried. Sow 20 pounds to the acre. **Pound, postpaid, 30c.; market price in bushel lots.**

Red Clover, Medium (Trifolium Pratense). This is the common Red Clover, the seed of which is the Clover Seed of commerce. This Clover is one of the most valuable Farm Crops of the Eastern and Middle States for hay and pasture. Red Clover was damaged this year by the too frequent rains and, besides being a short crop, is somewhat discolored, but the seed we offer and sell thoroughly recleaned, and what brown seed our samples contain, although off color, will grow and, barring color, just as good as the blue seed. **Pound postpaid, 35c. Market price in quantity.**

Mammoth Sapling Clover, English Clover. Compared with the common Red Clover, its flower, foliage and stems are of darker color. Is valuable when grown with other grasses for mixed hay, as it ripens later than common Red Clover, about the time Timothy, Orchard and other grasses ripen, thereby making the hay a much better quality. Being a very rank grower, it is coming into general use for soiling purposes. Pound 25c. postpaid, 35c. Market price in quantity.

White Dutch Clover (Trifolium Repens). Grows naturally in pastures in a great variety of soils and situations and is an indispensable requisite in all parks and lawns. Per pound 40c.; postpaid 50c. Market price in quantity.

Sainfoin (Onobrychis sativa) a perennial leguminous plant of Alfalfa Clover Family. Is valuable for growing on barren hillsides, and when once established lasts for many years. Per pound 15c.; per hundred pounds $12.00.

Bermuda Grass (Cynodon dactylon). A most valuable Grass for our Southern States. It cannot endure hard frosts, therefore not good in the Northern States. Is of dwarf habit, with long creeping stems, rooting at the joints. Makes a matted turf and will keep steep embankments from washing. Per pound 75c.; bushel 36 lbs. $25.00.

Bromus Inermis (Awnless or smooth Brome Grass). A hardy perennial Grass growing from 3 to 5 feet high and standing extremes of heat, cold and drouth better than any of our cultivated Grasses. Yields big crops of hay, but much inferior to that of our standard native sorts. Has creeping roots, spreading rapidly under ground and giving out new plants, therefore hard to eradicate when once established. Sow in spring or fall at the rate of from 18 to 20 lbs. per acre. Per pound, 20c.; bushel 12 lbs. $1.80.

Bromus Inermis.

Beach Grass (Ammophila Arundinacea). Valuable on the sandy seashore, canal and railway banks, etc. With its strong, wide-spreading roots it binds the drifting sands into natural embankments against the action of wind and waves. Crop short, **write for prices.**

Kentucky Blue Grass (Poa Pratensis). Kentucky (not Canada) Blue Grass crop was an average one this season. Is very valuable and exceedingly popular in some sections of the country as a pasture grass. It is very productive and unusually early in spring, furnishing delicious food throughout the season for all kinds of stock. It is not easily affected by drouth or frost, is suited to any variety of soil, succeeding best on a moist, rich meadow. For permanent pasture it is particularly valuable, being of dwarf growth; therefore not so well suited for meadows. Unexcelled for lawns. If let grow up in fall, without grazing, makes good winter pasture. Our seed is all new crop, Kentucky grown and the best grade, "Fancy Cleaned." Beware of the Canada blue grass, which does not make as good pasture as the Kentucky, and the seed contains a considerable proportion of Canadian thistle, which would be a great damage to any farmer, but can be purchased at about half price. Sow 28 pounds per acre for pasture and 40 to 50 pounds for lawns. Fancy Seed **$2.50 per bushel; peck 75c. pound by mail, 35c.** Our Fancy Grade is the best seed to buy, as it contains more actual germinating seed than any other grade. We can furnish lower grades for less money when desired, and shall be pleased to make firm quotations upon application. Write for price when ready to buy.

Kentucky Blue Grass.

Creeping Bent Grass (Agrostis stolonifera). This grass prefers low bottom lands, especially if somewhat sandy; is of rapid growth, spreading habit, and its creeping, rooting stems make a strong, enduring turf that is positively improved by constant trampling. Forty-five pounds should be sown per acre. Price, per lb. **45c.**; bushel of 15 lbs. $5.50.

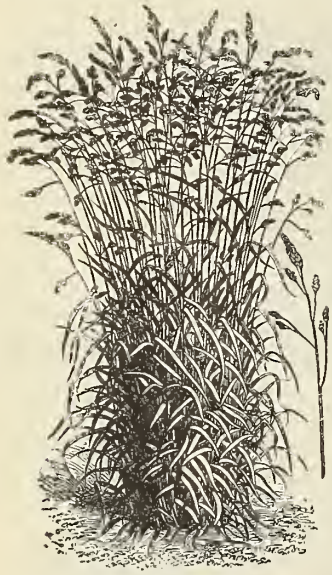
Crested Dog's-Tail (Cynosurus Cristatus). A Perennial Grass that thrives both on hilly and bottom lands, in the shade and open; accommodates itself to any soils. Sow 30 pounds per acre. Price, per lb. 40c.; per bushel of 30 lbs. $8.00.

English Perennial Rye Grass (Lolium perenne). Largely used in Pasture Mixtures. It makes a rich green sod and nutritious hay, and lasts for several years. Price, per lb. 10c.; bushel of 22 lbs. $2.00.

Hard Fescue (Festuca Duriuscula). A Permanent Grass for dry, sandy lands; also shallow, silicious soils. Is extremely hardy and withstands extremes of heat and cold and also long periods of drouth. Height 1 to 2 feet; 30 pounds to the acre. Price, per lb. 25c.; per bushel of 20 lbs. **$4.50.**

Hungarian Grass. A valuable forage grass and hay, both because of its foliage and nutritious seeds; early; resists drouth; does well on light soil. Sow one bushel per acre. Bushel 48 pounds. Lowest market price.

Italian Rye Grass (Lolium Italicum). A remarkably rapid growing Grass that under the most favorable conditions will last two years; is an annual only. Withstands extreme heat and cold; valuable to mix with other grasses. Height 1½ to 2½ ft. Price, per lb. 10c.; per bushel of 22 lbs. $2.00.



Orchard Grass.

Johnson Grass. A valuable Southern Fodder Plant, to be sown in August and September at the rate of 30 pounds per acre. Price, 20c. per lb.; in 100-lb. lots $10.00.

Meadow Foxtail. One of the best permanent pasture Grasses for rich, moist soils, extremely early and withstands high summer heat without burning out. Should be sown only in connection with other grasses for pasture at the rate of four pounds per acre. Height 2 to 3 feet. Price, per lb. **40c.; bushel of 9 lbs. $2.75.**

Meadow Fescue (Festuca Pratensis). English Blue Grass. A highly valuable species for permanent grass land. It does not, however, attain its full productive power until the second year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture, and is one of the most desirable permanent grasses for general culture and mixtures for permanent pasture. Height 2 feet; 27 pounds to the acre. Price per lb. 30c.; bushel of 27 lb. $4.00.

Meadow Soft Grass (Holcus Lanatus). A perennial and hardy Grass for poor soils. Height 1 to 2 feet; sow 35 pounds per acre. Price, 25c. per lb.; per 100 lbs. $15.00.

MILLETS

Common Millet. An excellent early forage Grass, with long, broad leaves and nutritious grain. Grows to height of 3 or 4 feet. Very early. Lowest market price.

Improved German or Golden Wonder Millet. This is not so early as the commor Millet, but yields much larger crop. Southern grown seed is preferred, producing more hay. Northern-grown seed is usually hybridized with other millets and will not grow as tall. Southern-grown seed at lowest market price.

Japanese Millet or Billion-Dollar Grass. Is an enormous yielder. Grows on any soils, and cattle and horses eat it greedily and fatten rapidly. Sow 10 to 15 lbs. per acre. Price, 15c. lb.; 100 lbs. $6.00.

The Russian Forage, or New Manitoba Millet. This is largly grown in Russia, British Columbia and the Dakotas, and introduced by us a few years ago. Lowest market price.

Orchard Grass (Dactylis Glomerata). A rough, coarse, perennial Grass, extremely hardy; of all grasses the best for sowing under trees or in orchards; furnishes abundance of pasture during the entire season, wet or dry; makes excellent hay mixed with clover. Sapling or Alsike Clover is best to sow with it, as it ripens about the same time. Sow in September or spring, at rate of 1½ to 2 bushels per acre. Weight per bushel, 14 pounds. This seed has been in great demand by English and other foreign dealers. It grows about 2½ feet high, producing an immense quantity of leaves and foliage. On account of its earliness and quick growth it is of exceptional value for permanent pastures. It furnishes the first green bite in spring and the last in fall; is quick to recover from close croppings, even thrives better the more it is cropped, and is heartily relished by all kinds of stock. It should not be sown alone, as it grows in tufts, but in a mixture with other grasses it should be included, so as to get a close and even sod. Pound 35c.; bushel $2.80.

Pacey's Rye Grass (Lolium Perennetènne). The most valuable Grass of Great Britain, holding the same position of importance that Timothy does in our country. Very early and cures into hay that is very hard but has a sweet flavor and relished by cattle. Mixed with Red Clover makes a good hay. Height 1½ to 2 feet. Sow two bushels per acre. Price, per lb. 20c.; per bushel of 28 lbs. $3.00.

Rhode Island Bent Grass (Agrostis Canina). This Grass is a native of Europe and much resembles our Red Top, but is of dwarfer habit with shorter and narrower leaves. It makes a close, fine turf, and is largely used for lawns in the old country; at the rate of 50 pounds per acre. Height 1 to 2 feet. Price, per lb. 40c.; **bushel of 15 lbs. $5.00.**

Herd or Red Top Grass (Agrostis Vulgaris). Fourteen pounds to the bushel. This is a good permanent grass, and makes a perfect sod. It is the best grass that can be sown on washy lands for holding the soil. In most sections it is highly appreciated for hay, succeeding Clover and Timothy when they have dried out. It is a good forage plant when kept fed close. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It should enter largely into a mixture with other grasses. Sow two bushels to the acre. Pound 35c.; subject to market price.

Red Top Fancy. Cleaned from chaff and is solid seed. (About 50 lbs. to the measured bushel.) Three pounds thus equals one bushel of ordinary Red Top. Unlike ordinary Red Top, it can be sown at the same time with other grasses, thus avoiding going over the ground a second time. Pound 40c.; 14 lbs. $4.00; 100 lbs. $27.50.

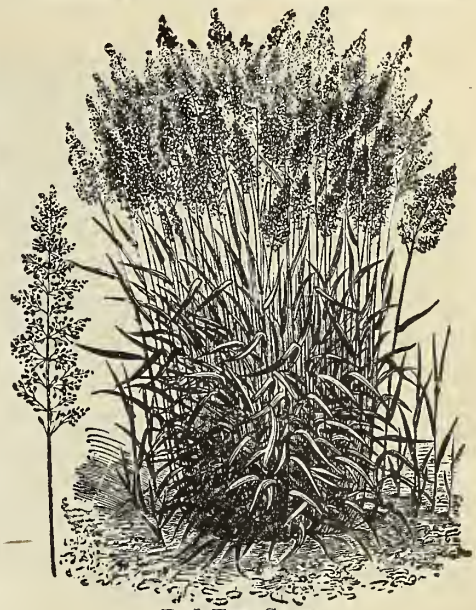
Red Top grows almost everywhere, but in a moist soil it reaches its highest state of perfection; is good for pasture and also lawns. There is a great difference in the grade and qualities. The low-priced seed is really nothing but the chaff and hulls of the choice and fancy cleaned, and contains but a small percentage of germinating seed.

Rough Stalked Meadow Grass (Poa trivialis). This Grass grows from 1 to 3 feet in height and makes a fine turf in shaded or moist situations. Is valuable for forming bottom grass in pasture mixtures. Sow 20 pounds per acre. Per lb. 45c.; **bushel of 26 lbs. $10.00.**

Sweet Vernal, True Perennial (Anthoxanthum odoratum). A fine Grass for pasture mixture, as it keeps up a continuous growth until late in the autumn. A little of this seed sown in the hay field emits a fragrant odor and thus sweetens the hay. Price, per lb. 50c. per bushel of 10 lbs. $4.50.

Sweet Vernal, Annual (Anthoxanthum odoratum puelli). Much smaller than the perennial and of much less value, lasting only one year. Price, per lb 25c.; per bushel of 10 lbs. $2.00.

Sheep Fescue (Festuca Ovina). This Grass prefers dry uplands and thrives in poor, shallow, gravelly soils where other grasses would fail. Is hardy, resisting extreme heat and cold. As it is a "bunch grass," good for mixing with other grasses for pasture; much relished by sheep. Price, per lb. 25c.; per bushel of 16 lbs. $3.50.



Red Top Grass.

Timothy.

Timothy (Phleum Pratense). This Grass Seed, so well known that it needs no description, is most extensively grown throughout this country and succeeds well on most all soils and stands extreme drouth, heat or cold. It makes the very best and most nourishing hay that can be preserved for a long time. We buy none but the fancy grade of this seed and after recleaning same are prepared to say that we sell **the best** Timothy Seed money can buy. Price, per lb. 20c.; per bushel of 45 lbs., market price.

Tall Meadow Oat Grass (Avena Elatior). Valuable as a pasture Grass on account of its early and luxuriant growth; extremely hardy and much relished by cattle. Height 2 to 4 feet. Price, per lb. 25c.; **per bushel of 13 lbs. $2.75.**

Tall Meadow Fescue (Festuca Elatior). Succeeds best in moist alluvial and strong clay soils, and valuable as permanent pasture; relished by stock. Height 3 to 4 feet. Price, per lb. 30c.; **per bushel of 22 lbs. $5.00.**

Wood Meadow Grass (Poa Nemoralis). The finest Grass for shaded situations in lawns and woodland parks where other lawn grasses will not grow. Is very hardy and resists extreme heat or cold. Price, per lb. 40c.; per bushel of 19 lbs. $6.50.

SPRING AND WINTER SEED WHEAT.

Sow 1½ bushels per acre.

NOTE.—No matter how low prices may go, wheat will continue to be grown, for there is nothing else that will take its place in many crop rotations, especially where grass is to follow. It makes a sale crop, and the straw is indispensable about the barn if stock is to be kept comfortable and in a thriving condition. It has been found that wheat can be fed to stock very profitably when the price is too low to send it to market, and, altogether, the consumption of wheat is likely to increase rather than diminish in the near future. In view of these facts, farmers should learn how to grow the crop cheaper, or, in other words, how to increase the average yield per acre, for there is a profit when between 30 and 40 bushels are obtained. There is no doubt of most farmers being able to obtain such a yield if thorough cultivation and fertilization are employed.

North Dakota Fife Spring Wheat. Peck 50c.; bushel $1.75.

We will have all the leading and new varieties of Northern-grown Winter Wheat, of which we will issue a Special Seed Wheat Catalogue, containing full descriptions and prices, by July 20th next, and mailed free to all applicants. Our customers should write for this list.

We name the following varieties that we offer at $1.50 per bushel in small lots. Special price on 10-bushel lots and over:

Smooth Varieties. Pool, Prosperity, Fultz, Red Clawson, Number Six.
Bearded Varieties. Rudy, Red Russian, Nigger, Hybrid Mediterranean.

SPELTZ OR EMMER.

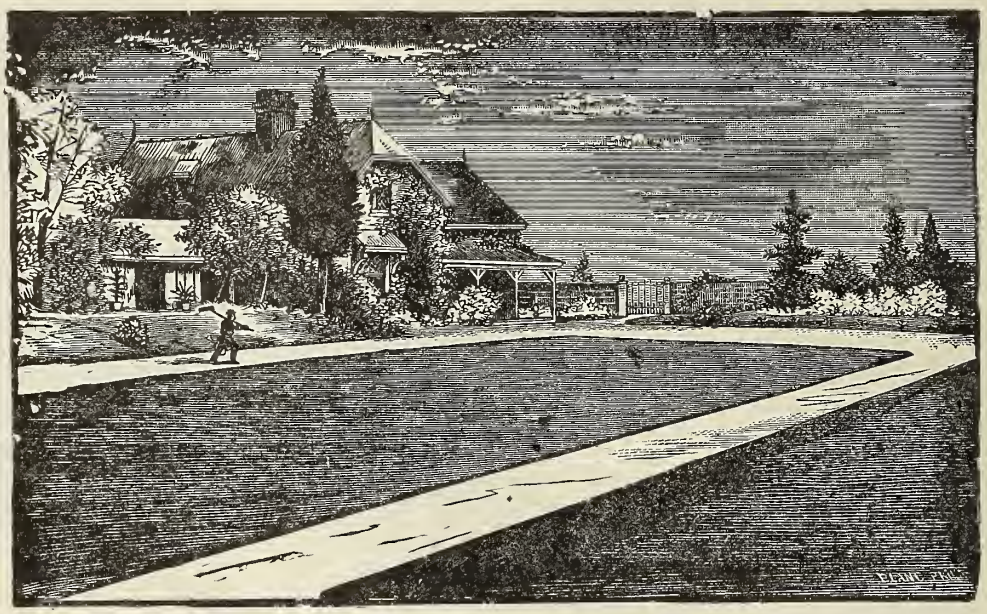
(Sow from 50 to 75 lbs. per acre.)

Introduced from Germany into this country several years ago, and from all reports will grow anywhere in the United States, and we can safely offer the seed to our customers as one of the grandest fodder crops grown. It resembles Barley when threshed, and when the hull is removed you can scarcely tell it from wheat. Speltz is an immense yielder and for fattening cattle and hogs has no equal, being better food than corn. Speltz should be sown early in the spring, the same as Spring Barley and Spring Wheat, and enormous yields are assured. We offer Ohio-grown seed at the following rates, f. o. b. cars. Cotton bags extra 25 cents each. Pound, postpaid, 20c. By freight, 50 lbs. $2.00; 100 lbs. $3.50.

PHILIPPS' LAWN, TENNIS AND GOLF GRASS SEED MIXTURES

Our **Grass Seed Mixtures** are known for their purity and will make a perfect turf before the approach of cold weather if sown during September or early part of October, and produce finer lawns the following summer than those sown in spring. Toledo is known all over as the **Grass Seed Center** of the world, and our facilities for picking the **Cream** of the market are unsurpassed.

All the Grass Seeds entering into our Lawn Grass Mixtures thoroughly recleaned by the most improved methods so as to make them free of foul seeds.



We buy the very best grades of Seed for our Lawn Grass Mixtures and can therefore assure our customers that no better Seed can be had at any cost.

READ—HOW TO MAKE A BEAUTIFUL LAWN

Philipps' "Fancy Park" Mixture. A very fine mixture of grass seed, producing a thick and velvety permanent turf, which will retain its beautiful appearance throughout the entire summer and fall. It contains all the most suitable fine-bladed varieties in proper proportion. Will make a perfect lawn in from six to eight weeks. Per lb. 25c. (postpaid 35c.); per bushel of 14 lbs. $3.50.

Philipps' "Under-Trees" Mixture. It is hard to obtain a nice growth of grass permanently under trees or other shady places, and this mixture is composed of grasses which will grow in such situations and give satisfaction. Per lb. 50c. (postpaid 60c.); per bushel of 18 lbs. $7.00.

Philipps' "Slope and Terrace" Mixture. To get a satisfactory turf on slopes or terraces requires grasses which root very deeply and will withstand the washouts of heavy rains, and this mixture contains such varieties in liberal proportion, which, after once being established, will not suffer from continuous heavy rains. Per lb. 30c. (postpaid 40c.); per bushel of 20 lbs. $5.00.

Philipps' "Putting Green" Mixture. It requires a very substantial turf for Putting Greens, and this mixture will answer the most critical demands. It contains all fine-bladed grasses of low growth and will produce a tough, thick and beautiful green turf. **Per lb. 35c. (postpaid 45c.); per bushel of 20 lbs. $6.00.**

The Lawn Grass which we offer should not be compared with the cheaper preparations advertised. Our combination is of the best chosen varieties and clear of weed seeds. Any one who purchases cheap, ill-chosen Lawn Grass will soon realize that it is a poor investment, as the crop is a constant reminder of a poorly considered purchase.

Much of the success of lawn making depends upon the preparation of the ground. The land must be well plowed or dug, and harrowed or raked, to secure thorough pulverization, and, if possible, well rolled down and top dressed with a good fertilizer, unless the land had received an application of well rotted stable manure before plowing or spading, and we would recommend a good grade of super-phosphate or a mixture of phosphate, ammoniated bone, as especially adapted for lawns, at the rate of 500 pounds to the acre, which should be lightly harrowed in and upon the seed bed. Our Lawn Grass Mixture should be carefully sown at the rate of three or four bushels to the acre, lightly harrowed in and thoroughly rolled. When the young shoots of grass have attained the height of three or four inches it should be carefully mown with a sharp scythe; after this it should be mown about every ten days with a lawn mower. Frequent mowing is indispensable to maintain turf in good order.

When your lawn has already been established, you will find it greatly to your advantage to renew it every season. As early in the spring as the weather will permit, have your lawn carefully raked so as to remove the dead grass and leaves that may be thereon; then sprinkle it with our Mixed Lawn Grass Seed, which will renew the thin places and spots which have been killed by winter; then give it a dressing with our **Pure Bone Meal**, and finish by giving the whole a thorough rolling; after which the lawn mower should be used every week or ten days. This will make the lawn a source of ever varying beauty and enjoyment throughout the season.

We have tried all kinds of Lawn Grass Seed, both native and foreign, and confidently recommend our Mixed Lawn Grass Seed as the best in use. It makes a quick and luxuriant growth, and permanently occupies the ground, giving it a velvety evergreen sod, which is the charm of a lawn.

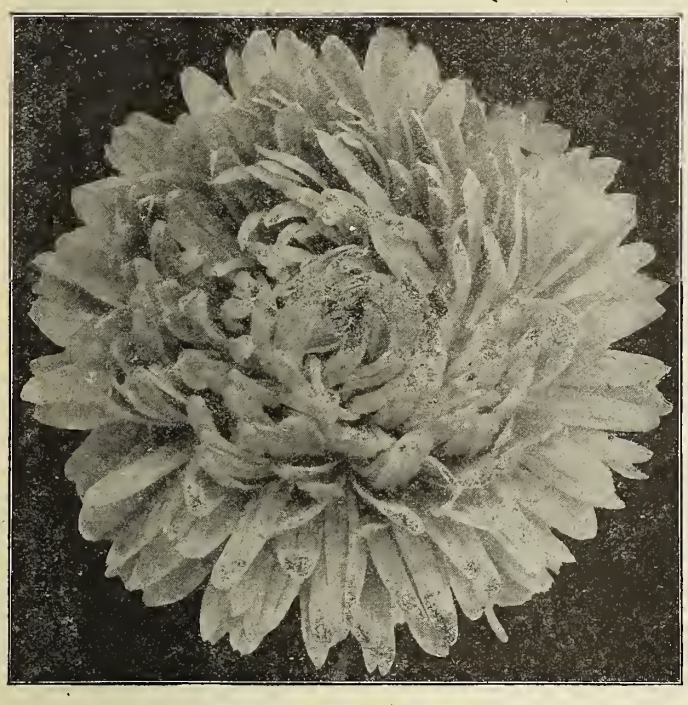
OSAGE ORANGE HEDGE SEED

Culture—Hedge Seed must be soaked in warm, not hot, water from five to ten days. Stir each day and change water, and when the seed begins to sprout. it is ready for planting. Plants should be transplanted before setting in hedge row. **Osage Orange,** 40 cents per lb.

1915

Seeds and Plants We Recommend for Trial

The list of the following varieties is a special selection for those who wish to have the choicest strains of the old varieties and the best of the new varieties, which impress us from the horticultural press as meritorious.



Vick's Enchantress Pink

THE SIX MOST BEAUTIFUL ASTERS

225. **Vick's Enchantress Pink.** This new Aster is one of the most beautiful of recent introduction, listed **for the first time a year ago.** The immense double flowers are of a very delicate shade of pink, being unlike most other Pink Asters, this variety holds its soft, delicate color a long time without fading. The broad flat petals giving a soft effect which is extremely pleasing. Pkt. 25c.

312. **Hercules.** This Aster forms an imposing plant, making stems of from 15 to 20 inches long which begin to branch when about 4 inches high, bearing flowers of enormous proportions, sometimes 7 inches in diameter, and may best be compared with a huge Japanese chrysanthemum. The flowers are of the popular comet type and of the purest white; very double and hardly showing the yellow disk so common in large Asters. Pkt. 25c.

315. **Hohenzollern.** This is one of the finest of purest white Asters, measuring from 6 to 8 inches across. A late cut-flowering variety and are sure to become popular. Pkt. 25c.

320. **Lavender Gem.** Belonging to the comet type, with very large, long and loosely arranged petals, forming a most artistic flower. Growing about 2 feet high they bear their beautiful clear lavender blossoms on long, slender yet stiff stems, a jewel among Asters. Pkt. 20c.

450. **Crego, White.** Plants grow about two feet tall, making a sturdy growth with many branches. Long strong stems support fluffy, graceful flowers of a perfection hitherto unknown among Asters. They average 4 to 5 inches across and are unsurpassed for cutting. Pkt. 10c.

455. **Crego, Pink.** Identical with above, but of a beautiful, soft, shell-pink color. Pkt. 10c.

One pkt. each of above Asters, 90c.

DIMORPHOTHECA AURANTIACA

875. **The New African "Golden Orange" Daisy.** This new floral novelty was brought originally from South Africa to England, and is becoming a great favorite everywhere on account of its most beautiful flowers and easy cultivation. The foliage is very ornamental, of light bluish-green color. Each branch carries several daisy-like flowers on stems about six inches long. Flowers about 2½ inches across and of a brilliant golden-orange color, with a rich lustrous gloss. The prominent black disc surrounding the pistels in the center add largely to the brilliant appearance of the flower. For borders or massing the new Daisy cannot be surpassed. Don't fail to try it. Pkt. 10c.

CENTAUREA IMPERIALIS "GIGANTEA"

668. This magnificent new Cornflower or Royal Sweet Sultan is of exceptional tall growth, attaining a height of almost five feet, and bears its large, pure white, sweetly scented flowers on strong, stiff stems over two feet along. The flowers are of the same elegance as the now so well-known Royal Sweet Sultans and are remarkable for their lasting qualities when cut, and it seems that this new race stands the hot weather by far better than all the others. Per pkt. 20c.

GIANT MARGUERITE CARNATIONS

628. This class produces very large and beautifully shaped flowers about ten weeks after sowing, continuing to bloom till late into the fall. They are of a delicious fragrance and rival many of the greenhouse varieties in beauty. Excellent for cutting and should be planted largely by all lovers of this popular flower. Pkt. 10c.

Centaurea Imperialis "Gigantea"

NEW HYBRID GERBERAS

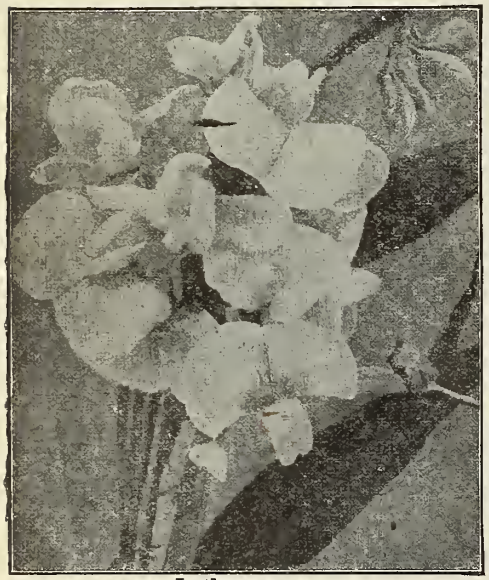
978. One of the most interesting introductions of recent years. Some of the leading botanists of Europe claim that it will soon rank with Chrysanthemums and Primulas as a greenhouse plant, and to be in great demand. These graceful plants are of easy cultivation either indoors or in the garden, and their distinct and delicate shades of color and lasting bloom will surely please all who give this specialty a trial. Pkt. 25c.

GERBERA—Jamesoni Hybridia

CAMPANULA CALYCANTHEMA

"Cup and Saucer Canterbury Bells."

Belonging to the perennial plants of tall, stately growth, with numerous large flowers, shaped like a cup and saucer. They bloom in summer for a long time and are great favorites with all lovers of flowers. Exquisite for the hardy border.



Lathyrus.

560 **Blue** ...Per pkt. 10c.
565 **Rose** ....Per pkt. 10c.
566 **Striped** .Per pkt. 10c.
567 **White** ..Per pkt. 10c.
569 **Collection** of the 4 colors 30c

LATHYRUS

HARDY OR EVERLASTING SWEET PEAS

The seed of this Perennial Sweet Pea can be sown either in the spring or fall. If sown in the spring the seed should be soaked in warm, not hot, water for four days before planting in light rich soil. If sown in the fall plant outside where they are to remain and protect with straw or litter during the winter. They are showy, free flowering, hardy perennial climbers and will always be a source of pleasure and enjoyment the entire summer.

1219 **Purplish Red** .....5c.
1220 **Bright Pink** .....5c.
1221 **White** .....5c.
1228 **Mixed Colors** .....5c.

Any of the above, per oz. 25c.; ¼ lb. 75c.; per lb. $2.00.

LEMON

American Wonder or Ponderosa

Quite a novelty of the citrus family, originated at Hagerstown, Md., from the seed of an ordinary lemon. The original plant when quite small bore fruit of extremely large size, much to the amazement of its originator. Cuttings from this plant produced a large stock. Horticultural experts pronounce it a cross between the ordinary lemon and the grape fruit or Pomelo, the hybridization being performed by a bee. This, in brief, is the history of the lemon. It inherited the large size of the Pomelo, and the acidity of the lemon. The plant is of rapid growth, with large dark green foliage, and often bears fruit weighing 3 to 5 lbs. Flowers are pure waxy-white and resemble orange blossoms, only larger and more compact and exceedingly sweet scented. An elegant plant for porch or lawn decoration. Very ornamental on account of its large, shiny foliage and its wonderful immense fruit, which is produced very freely. It is of easy culture, flowering and fruiting in any good ordinary soil. The fruit is edible and may be used for all culinary purposes. No grafting or budding is necessary. Young plants 25 cents each, postpaid.

American Wonder Lemon.
Also called Ponderosa.

DIANTHUS (Pinks)

851 **Vesuvius,** a selection of the annual fringed pinks of an intense scarlet with just the slightest shading of orange, a fairly dazzling color in full sunshine and absolutely new and distinct. The flowers are deeply fringed and of large size on stems 10 to 12 inches long and appear in great profusion, which makes this class so very valuable, either for cutting or bedding. Per pkt. 15c.

852 **Snowdrift,** a very double form of the annual fringed pinks, grows about 12 inches high, is robust, branches freely and produces its magnificent snowy white flowers very abundantly. The large flowers are of perfect form and measure between 3 and 4 inches across, are extra double, with deeply cut petals and are said to be one of the best Dianthus, blooming the entire summer and rivaling in beauty and usefulness the finest fancy Carnations. Per pkt. 20c.

Otaheite Orange.

OTAHEITE ORANGE

Chinese Dwarf.

A grand pot plant of great beauty and novelty. It is a dwarf orange that grows, blooms and fruits freely in pots, even when only a foot or two high. The fruit is about one-half the size of the ordinary orange, and is very sweet and luscious. The blooms are produced in the greatest abundance, are delicate and beautiful in color, and rich in delicious perfume. It blooms most freely during the winter, although it is very likely to bloom at all times of the year. With one or two plants you can raise an abundance of fragrant blossoms. Young plants, price, 25 cents each postpaid.

DOUBLE EVERBLOOMING HOLLYHOCK

1120 This strain of Hollyhock has only been introduced a few years and has made so many friends since that it should not be missed in any garden. It dispenses to a certain extent with the trouble of growing the plants for one year before enjoying its flowers, as this new kind blooms very readily the first season from seed sown in spring in the open ground. The perfection of the flowers is almost the same as in the old well-known type and the colors range through all the different shades of black, yellow, pink, rose and scarlet. They begin to bloom in July and keep on to flourish till late in the season. Per pkt. 25c.

DOUBLE EVERBLOOMING FRINGED HOLLYHOCK

1121 The same in every particular as the preceding, but with fringed petals and much more double flowers than the Allegheny Fringed Hollyhock. Per pkt. **25c.**

THE GENUINE EDELWEISS

OR SUNFLOWER OF SWITZERLAND.

945 **There's a world of** poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow, and when cut **lasts for years.** The flowers are rare and beautiful, as white as snow and as soft as velvet, growing sometimes 30 on one plant, with grayish-white foliage in spreading rosette. Naturally as hardy as a rock, they grow in any way, on sandy moist soil, gritty and well drained, or on raised rockwork, and even as a border plant, in chalky open soil. Lasting for years in beauty, it will certainly prove a wonderful attraction. Price, per pkt., 20c.

DWARF NASTURTIUM

"Queen of Tom Thumbs."

1520 Unquestionably the most striking of all the Dwarf Nasturtiums introduced during the last few years and of such perfection in every respect that it will cause admiration from anybody. The flowers are of a bright crimson, while the foliage is a silvery white variegated with green, making one of the most beautiful contrasts imaginable. It is of very dwarf and compact growth and when used as bedding plant, will be found a great acquisition. Per pkt. 10c.

SPENCER SWEET PEAS

Because of such unusual size, of waved or fluted appearance and charming blendings of harmonious colors, the new "Spencer" Type may be appropriately described as truly gigantic "Orchid-Flowered." The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved; the tissue being so full that there is not room for it to lie flatly expanded or smoothly rolled. The standard is broad and tall; the wings are broad, well spread and held erect by the keel.

SEVEN BEAUTIFUL "SPENCERS"

2235 **Asta Ohn.** This is the first lavender of the true Spencer type that has originated in America. The flowers are of large size, pronouncedly waved and fluted in the standard, with unusually large, thoroughly waved wings. The stems are particularly long and sturdy. The color throughout both standard and wings is a charming soft lavender, suffused with mauve. Pkt. 15c.; oz. 40c.; ¼ lb. $1.50.

2240 **Aurora Spencer.** These superbly beautiful flowers are of really enormous size. Both standard and wings are waved or fluted to a most pronounced degree. The magnificent flowers are produced most profusely in threes and fours, well placed on the end of long, stiff, dark-green stems. The ground color of the flower is a cream-white, and this is exquisitely flaked and mottled with rich orange-salmon. Pkt. 10c.; oz. 35c.; ¼ lb. $1.00.

2245 **Beatrice Spencer.** The ground is white, tinted with soft pink and buff on the standard, while each wing has a blotch of brighter pink near the base. Beautiful and large. Pkt. 10c.; oz. 35c.; ¼ lb. $1.00.

2250 **Flora Norton Spencer.** Bright blue with tint of purple. Large, open and wavy. Pkt. 10c.; oz. 40c.; ¼ lb. $1.25.

2255 **King Edward Spencer.** A rich crimson scarlet, enormous flowers and beautifully waved. Pkt. 10c.; oz. 50c.; ¼ lb. $1.50.

2260 **Mrs. Routzahn.** The beautiful coloring is buff or apricot ground, flushed and suffused with delicate pink or a very soft rose, deeping toward the edges of the standard and wings. The flowers are of the largest size—thoroughly crimped and waved. The standard is broad and deep; the wavy wings are so large that they usually hide the keel and are of the same soft color effect as the standard. The long stems seldom carry less than three flowers, while many bear four grand flowers to a spray. The large, beautifully formed flowers are so gracefully placed on the stems that they are sure to excite the greatest admiration. Pkt. 15c.; oz. 40c.; ¼ lb. $1.50.

2265 **White Spencer.** It is unquestionably the finest White Sweet Pea in existence. It is beautiful and graceful, with large fluted and wavy petals, long stout stems, bearing uniformly four well-poised dignified blossoms of delightful fragrance. Pkt. 15c.; oz. 60c.; ¼ lb. $2.00.

Collection—One packet each of the above seven beautiful Spencer Sweet Peas. Postpaid for 65c., or 1 oz. of each, postpaid, for $2.75.

2270 **Mixed Spencer.** The mixture contains some of the best of the Spencer varieties of recent introduction and sure to give satisfaction. Pkt. 10c.; oz. 30c.; ¼ lb. $1.00; lb. $3.00.

SWEET PEAS A SPECIALTY

Of all our favorites among the many hundreds of annual and perennial plants with beautiful flowers, Sweet Peas take the lead, and it is safe to say that there is no garden without them. Their beauty and usefulness are so manifold as to make them absolutely indispensable, and if sown deep and early they will more than repay with more, larger and richer-colored flowers. **For Sweet Peas in Mixture, see page 64.**

The seed should be sown as soon as ground can be worked, in trenches 10 to 12 inches deep, which should be filled up gradually as the vines grow; this method will give a long vine in the soil, which will make innumerable roots and gather nourishment through dry spells from the moist depth where the roots of shallow-sown seed do not reach. Our selection of Sweet Peas will be found up-to-date, varieties of weak growth and small flowers are entirely eliminated, and only such are offered as are distinct in their colorings and of largest size. Our **"Gold Medal Collection of 18 Best Varieties"** contains absolutely the best.

Special Collection of Grandiflora Sweet Peas

Those marked with * are in our **"Gold Medal Collection."**

2280 **Agnes Eckford,** a lovely light pink, large size, open form.

2285 **Aurora,** orange-rose striped on white, large size, hooded, the most attractive of the striped varieties.

2290 ***Black Knight,** very deep maroon, with almost black veins on the middle of the standard.

2295 **Blanche Burpee,** pure white, medium size, slightly hooded, very graceful.

2300 **Blanche Ferry,** standard bright carmine rose, wings white tinged with pink, medium size, open form.

2301 ***Blanche Ferry,** extra early, standard bright carmine rose, wings white tinged with pink, medium size, open form, very early.

2302 **Christmas Pink,** exactly like Blanche Ferry, but flowers extremely early. If sown in August will flower by Christmas. Pkt. 10c.; per oz. 20c.; ¼ lb. 75c.

2304 **Christmas White,** like above in pure white. Pkt. 10c.; per oz. 20c.; ¼ lb. 75c.

2305 ***Coccinea,** cherry-red, half hooded, medium size, very bright and effective.

2310 **Countess of Cadogan,** standard opens purple, changing to lilac, wings bright blue and lighter on the edges.

2315 **Countess of Radnor,** standard mauve, wings lavender, hooded, medium size.

2320 **Countess Spencer,** standard large and wavy, whole flower of a lovely pink, shading darker at the edges, belonging to the new Orchid Flowered class, immense flower. Oz. 35c.; pkt. 10c.

2325 ***Dainty,** white, daintily edged with pink, very large.

2330 ***Dorothy Eckford,** pure white, the largest and finest white in existence.

2335 **Dorothy Tennant,** rosy purple, large size, hooded form.

2340 ***Duchess of Sutherland,** white tinted pink, medium size, hooded form.

2345 ***Duke of Westminster,** standard buff, tinged pink, with blotch of heavier pink at the base, wings pink.

2350 **Earliest of All.** Same as No. 2300, but four weeks earlier.

2355 **Earliest Sunbeams,** rich primrose, extra early, open form, medium size.

2360 **Emily Henderson,** pure white, large size, open form, one of the best whites.

2361 **Evelyn Byatt.** A rich orange-salmon standard, with wings just a trifle deeper in color, giving a rich fiery orange or deep sunset color to the whole flower, very striking and unique. Recommended with confidence as perfectly fixed in character, and as one which will be largely used for cutting. Per pkt. 10c.; per oz. 20c.

2365 ***George Gordon,** claret-red, large size, hooded form.

2370 **Gladys Unwin,** immense and bold flower, beautiful pale rosy pink, extra long stem, Orchid Flowered type. Pkt. 10c.; per oz. 20c.

2375 **Gracie Greenwood,** bright pink on primrose, showing veins of brighter rose, pink on edges, medium size, hooded form.

2390 **Hon. F. Bouverie,** deep pink at the base, shading to light pink at the edges.

2395 ***Hon. Mrs. E. Kenyon,** light primrose, very large, half hooded, the largest and best of this shade.

2400 ***Jeannie Gordon,** standard rose, with deeper veins on primrose ground, wings primrose tinged with pink.

2405 ***King Edward VII,** crimson-scarlet throughout, the largest and finest in this color.

2410 ***Lady Grisel Hamilton,** standards mauve, wings lavender, very large hooded form, the largest and best lavender.

2415 **Lady M. Ormsby Gore,** standard buff and primrose, wings light primrose, large size, hooded form.

2420 **Lord Roseberry,** light magenta, veined deeper, large size, hooded form.

2425 **Lottie Eckford,** white heavily shaded with lilac, edged deep blue, large hooded.

2430 **Lovely,** deep pink throughout, shading to very light pink at the edges; very large, hooded form, very attractive.

2435 ***Miss Wilmott,** standard orange pink, with deeper veins, wings rose, tinted orange, very large, half-hooded form.

2440 **Mont Blanc,** pure white, open form, medium size, very early.

2445 ***Mrs. George Higginson, Jr.,** azure blue, an exquisite shade, very large.

2450 ***Navy Blue,** indigo blue shading to brighter, medium size, half-hooded form.

2452 **Phenomenal,** blue and lavender shaded on white; called the orchid flowering type. Pkt. 10c.; oz. 20c.

2454 **Phyllis Unwin,** a giant among sweet peas, a deep rosy carmine with all the grand points of Gladys Unwin, the same wrinkled and wavy standard and broad wings, but with a larger flower, three or four on a stem. Pkt. 10c.; oz. 20c.

2455 ***Prima Donna,** pure pink, large hooded form, the best of the light pinks.

2460 ***Othello,** deep maroon, the largest and finest of this color.

2465 **Salopian,** crimson scarlet, large open form, one of the best scarlets.

2470 **Scarlet Gem,** dazzling scarlet, large size, the finest scarlet up-to-date. Pkt. 10c.

Price—Any of the above (except where noted), 5c. pkt.; 15c. per oz.; 40c. per ¼ lb.; $1.50 per 1 lb.

2479 Collection of a packet each of the 18 **"Gold Medal Sorts."** 60c.: 1 oz. of each $2.00.

LIST OF RELIABLE FLOWER SEEDS

For Specialties and Novelties See Pages 43 to 46

Our list of Flower Seeds has been largely increased and is now very extensive, containing all valuable varieties. The various strains are of highest quality and have been procured REGARDLESS of PRICE from the NOTED SPECIALISTS here and abroad, and we are satisfied that no better seeds can be purchased.

When ORDERING it is only necessary to give the corresponding number, viz.: 2 pkts. 120, 10c., means 2 pkts. Aconitum Napellus, 10c.

Abutilon

ACROCLINIUM

A very graceful annual "Everlasting" with small aster-like flowers of white or rosy pink, growing about 15 inches high. The flowers may be kept for years in perfect condition if cut before fully expanded. Belongs in every old fashioned garden and should be sown right in the open border.

Per pkt. Per pkt.

128 **Single Mixed**.....5c. 129 **Double Mixed**.....5c.

ADLUMIA

(Mountain Fringe or Allegheny Vine.)

135 **Cirrhosa,** a biennial climber, exceedingly graceful, with fine feathery foliage which much resembles that of the well-known Maiden Hair Fern. The rosy-colored flowers are of tubular shape and cover the plant completely. It is very desirable for covering trellises, old stumps of trees and the like, growing 15 feet in a season. Per pkt. 10c.

AGERATUM

(Floss Flower.)

There are few plants so useful for bedding and which flower in such profusion till frost. Their foliage is completely hidden by the lovely flowers the entire summer, sun or rain having no effect on them. They may be sown right in the open, but by starting the plants in hotbeds or the house and transferring to the open ground in May, a much longer period of bloom may be had.

150 **Blue Perfection.** Deep amethyst blue, of compact growth, very large flower trusses. Per pkt. 10c.

Ageratum, "Blue Perfection."

152 **Little Blue Star.** A very dwarf and exceptionally handsome new kind, very even in growth, not over five inches high. The flossy bright-blue flowers are produced in such a profusion that they fairly smother the plant, lasting till late in August; best variety for edging. Per pkt. 10c.

154 **Imperial Dwarf Blue.** Bright blue. Per pkt. 5c.

155 **Imperial Dwarf White.** Per pkt. 5c.

156 **Princess Victoria Louise.** Of very dwarf, compact growth, with large sky-blue flowers; one of the finest bedding kinds. Per pkt. 10c.

ABRONIA

(Sand Verbena.)

A pretty, trailing annual with clusters of Verbena-like flowers sweetly scented. Specially suitable for rockeries, blooming all summer.

100 **Umbellata.** Rosy lilac with white eye. Per pkt. 5c.

ABUTILON

(Chinese Bellflower, or Flowering Maple.)

A perennial shrub of easiest cultivation, growing very rapidly and producing its large, drooping, bell-shaped flowers of various colors in greatest profusion. Must be kept during the winter in the house or conservatory, where they will bloom abundantly the entire winter. They will make nice blooming plants the first year if sown before April.

109 **Finest Single Mixed.** Per pkt. 10c.

ACHILLEA

112 **Ptarmica fl. pl.** (Double White Yarrow.) Hardy, perennial, and one of the best white blooming plants for the summer. They are hardly ever out of bloom, covering the two-feet high plants completely with their small, pure white flowers. Indispensable for a hardy border or cemetery. Will bloom the first year if sown early. Fine for cut flowers. Per pkt. 10c.

ACONITUM

(Monk's-Hood or Wolfsbane.)

120 **Napellus.** One of the most beautiful hardy perennials for half shady positions, growing about 4 feet high and producing its deep blue flowers on long, slender spikes. No garden should be without them; one of the best subjects for naturalizing along shady walks. Pkt. 5c.

Alyssum, "Little Gem."

Amaranthus Caudatus.

AGATHAEA

140 **Coelestis** (Blue Daisy or Marguerite), a beautiful plant for the garden or greenhouse in winter, with Daisy-like sky-blue flowers, fine for bedding in summer and very valuable as a cut flower in winter; deserves to be generally known. Per pkt. 10c.

ALYSSUM (Mad Wort)

Beautiful little plants for bedding, vases, hanging baskets, edgings or the rockery, blooming profusely all summer and very valuable for winter flowering.

160 **Maritimum** (Sweet Alyssum), the well-known favorite of trailing habit, blooming profusely all summer. Oz. 25c.; per pkt. 5c.

161 **Little Gem or Carpet of Snow,** decidedly superior to the above, of very dwarf compact habit, covering the ground with a perfect white mass. They start into bloom when very small and keep on producing its closely set white flowerheads till frost, the plant forming a regular circle 12 to 18 inches in diameter, very fragrant; the best for edging. **Oz. 50c.; per pkt. 5c.**

AMARANTHUS

Annuals growing from 3 to 5 feet high, very effective with their brilliant foliage and bearing curious racemes of flowers. Should be sown in the open with plenty of room to develop their full beauty.

170 **Caudatus** (Love Lies Bleeding) 3 feet, blood red, drooping spikes. Per pkt. 5c.

173 **Salicifolius** (Fountain Plant) the popular name gives the best description of this graceful annual of pyramidal drooping habit. Per pkt. 5c.

176 **Tricolor Splendens** (Joseph's Coat), the leaves are red, yellow and green of a very brilliant coloring, growing 3 feet high, of beautiful ornamental value. This variety is a great improvement of the common "Tricolor." Per pkt. 5c.

AMPELOPSIS

180 **Veitchii** (Boston or Japan Ivy), the finest and most popular perennial climber for covering stone or brick walls, houses, churches, etc., withstanding our rough winter without any protection. The large, light, green leaves turn to a vivid scarlet in the autumn. Per pkt. 10c.

ANTIRRHINUM (Snapdragon)

There are few biennials, which could rival these in beauty and usefulness. They are without question one of the best cut flowers and can be grown without much trouble. Their long, slender spikes with the large flowers of magnificent glowing colorings are exceedingly graceful and a continuous source of pleasure all summer. They succeed best in a sunny position and are not very particular as to soil.

190 **Giant Pink** ..... Per pkt. 5c.
193 **Giant Scarlet** ..... Per pkt. 5c.
194 **Giant Striped** ..... Per pkt. 5c.
195 **Giant White** ..... Per pkt. 5c.
196 **Giant Yellow** ..... Per pkt. 5c.
198 **Giant Mixed Colors** ..... Per pkt. 5c.
199 **Collection of five Giant-Flowering Colors** ..... 20c.
207 **Queen of the North,** fine for beds or borders, flowers large, pure white, growing only one foot high ..... Per pkt. 5c.
208 **Tall Mixed Colors,** an extra fine strain of beautiful colors ..... Per pkt. 5c.
209 **Dwarf Mixed Colors,** of dwarf growth, in a great variety of colors ..... Per pkt. 5c.

Aquilegia Coerulea.

AQUILEGIA (Columbine)

Hardy perennials specially suited for moister locations in the garden, or naturalizing along the edges of woods, shrubbery or under trees. They grow from 1 to 3 feet high; their unique spurred flowers hang gracefully on long, slender stems, and are very desirable as cut flowers for vases. The flowers appear in countless numbers during May and June and are exquisitely colored, ranging through all shades of blue, white, rose or yellow.

220 **Canadensis,** this is our native species, flowers scarlet and yellow, one of the brightest. Per pkt. 10c.
222 **Coerulea** (Rocky Mountain Columbine), deep blue and white, one of the best for naturalizing in woods. Per pkt. 10c.
224 **Glandulosa,** light blue and white, very large flowers. Per pkt. 10c.
226 **Nivea Grandiflora,** extra large, pure white flowers, magnificent. Per pkt. 10c.
236 **Vulgaris,** the common blue variety. Per pkt. 5c.
238 **Single Mixed,** a large variety of colors. Per pkt. 5c.
239 **Double Mixed,** a large variety of colors. Per pkt. 5c.

Antirrhinum.

FOR OUR SPENCER SWEET PEAS, SEE PAGE 45.

ARABIS

(Rock Cress.)

250 **Alpina,** one of the very earliest flowering perennials. They are a mass of white as soon as the snow has disappeared, especially adapted for borders or the rockery. Their silvery foliage makes them very useful even in summer after they have stopped blooming. Per pkt. 5c.

ASPARAGUS

260 **Plumosus nanus,** the most graceful of the climbing Asparagus, with foliage as fine as thread. Young plants are now generally used for jardinieres, and its usefulness as house-plant growing under almost any conditions is unrivaled. They are excellent for cutting, and should specially not be missed in a conservatory. Per pkt. 20c.

262 **Sprengeri** (Emerald Feather), an equally desirable plant either for the house, hanging baskets or vases for outdoors in summer and house or conservatory in winter. The fronds or shoots when cut are indispensable for finer decoration, and will last a long time; readily raised from seed. Per pkt. 10c.

ASPERULA

270 **Azurea setosa,** a very graceful little annual, growing about nine inches high and of easiest culture. The plants are completely covered during the summer with small light lavender, blue fragrant flowers; they are excellent for edging along walks. Per pkt. 5c.

271 **Odorata** (Sweet Woodruff), an old-fashioned favorite. Per pkt. 5c.

ASTERS

It is needless to dwell upon the beauty and usefulness of this, perhaps the best known annual, and we can hardly realize a garden, however small, without at least a few of these queens of our summer flowers. Their popularity is partly due to the ease with which they are raised and to the vigorous growth and sure success with which they repay the flower lover. By planting the different varieties flowers may be had from July till late in September.

They like a rich soil mixed with thoroughly decomposed manure, and may be sown any time from April till June in the open, or for early flowering sow in pots, flats or cold frames, transplanting them to the open as soon as weather permits.

Our strains of the various kinds are selected with great care and are the best that can be procured.

CHINA ASTERS.

280 **Double Mixed,** a mixture of many different kinds of various colors. Oz. 50c. Per pkt. 5c.

COMET ASTERS.

A very beautiful class of Asters, resembling the Japanese Chrysanthemum with their long wavy and twisted petals, which are gracefully formed into a loose yet densely double half globe. Growing 18 inches high and bloom in August.

290 **Carmine** ..... Per pkt. 10c.
292 **Dark Blue** ..... Per pkt. 10c.
293 **Light Blue** ..... Per pkt. 10c.
294 **Light Pink** ..... Per pkt. 10c.
297 **White** ..... Per pkt. 10c.
298 **Mixed** ..... Per pkt. 10c.
299 **Collection of the 5 colors** ..... 40c.

GIANT COMET ASTERS.

Similar to the above, but with larger flowers, height 20 inches, blooms in August.

300 **Giant White** ..... Per pkt. 10c.
305 **Giant Mixed** ..... Per pkt. 10c.

DAYBREAK ASTER.

310 A most beautiful branching Aster, growing 2 feet high, flowers large and double, with slightly incurved petals on long, stiff stems, giving the plant a striking appearance. Their rosy shell pink perfect flowers appear during August in great abundance, deservable of a prominent place in every garden, 10c.

312 **Hercules** ..... Per pkt. 25c.
315 **Hohenzollern** ..... **Per pkt. 25c.**

Victoria Aster (See page 50).

Comet Aster.

LAVENDER GEM ASTER.

320 A variety of the Comet type, with very large and long loosely arranged petals, forming a most artistic flower. They grow about 2 feet high, bearing their beautiful clear lavender blossoms on long, slender, yet stiff stems, a jewel among asters, blooms in August. Per pkt. 20c.

OSTRICH FEATHER ASTERS.

A magnificent class of Asters belonging to the Comet class. The flowers are similar to the Comet, but have longer and broader petals, very free flowering, 15 inches high, bloom in August.

330 **Light Blue** ..... Per pkt. 10c.
332 **Pink** ..... Per pkt. 10c.
336 **White** ..... Per pkt. 10c.
338 **Mixed** ..... Per pkt. 10c.

PAEONY PERFECTION ASTERS.

A very stately class of Asters, with large flowers, the petals of which are incurved, forming a perfect globe. Height 20 inches, bloom early in August.

340 **Crimson** ..... Per pkt. 10c.
342 **Light Blue** ..... Per pkt. 10c.
343 **Dark Blue** ..... Per pkt. 10c.
344 **Pink** ..... Per pkt. 10c.
346 **White** ..... Per pkt. 10c.
348 **Mixed** ..... Per pkt. 10c.
349 **Collection of the 5 colors** ..... 40c.

PURITY ASTERS.

360 This is the same in every way to the Daybreak Aster, being of the same symmetrical growth, but of a pure glistening white instead of pink. Per pkt. 10c.

QUEEN OF THE MARKET ASTERS.

This is the earliest flowering Aster and the one with which success is absolutely certain. They are fully three weeks earlier in bloom than any other and produce their large, well-shaped flowers on long, wiry stems; very valuable for cutting; 18 inches high, bloom in July.

		Pkt.			Pkt.
370	**Crimson**	5c.	374	**Pink**	5c.
372	**Dark Blue**	5c.	376	**White**	5c.
373	**Light Blue**	5c.	378	**Mixed**	5c.

379 **Collection of the 5 Colors** ..... 20c.

SEMPLE'S LATE BRANCHING ASTERS.

A very superior late flowering Aster, extending the Aster season almost till frost. The flowers are large and loose, borne in greatest abundance on long, wavy stems. The plants form a strong growing bush, 2 to 2½ feet high, the most valuable Aster for cutting, blooms in September.

		Pkt.			Pkt.
390	**Crimson**	10c.	395	**Light Pink**	10c.
392	**Dark Blue**	10c.	397	**White**	10c.
393	**Light Blue**	10c.	398	**Mixed**	10c.

399 **Collection of the 5 Colors** ..... 40c.

Paeony Perfection Aster.

Auricula.

AURICULA

(Primula auricula.)

A well-known half-hardy perennial, a great favorite especially in England, the bright beautiful colored flowers growing in clusters appear in the early spring in greatest profusion.

460 **Mixed Colors.** Saved from a superior strain. Pkt. 5c.

BALLOON VINE

(Love-in-a-puff.)

470 A quick-growing annual climber, doing well in any soil in a sunny location; flowers are small and white; the seed is carried in small balloon-like balls.

Per oz. 20c. Pkt. 5c.

BALSAM

(Lady Slipper.)

An old-fashioned annual and great favorite with flower-lovers. They grow to perfection even in poor soil, making a stately and strong bush whose branches are closely set with brilliant-colored double camellia-like flowers. They bloom from July till frost, but should not be sown before the weather is fully settled, as they are very susceptible to cold.

		Pkt.
480	**Pink**	5c.
485	**Scarlet**	5c.
487	**White**	5c.
488	**Mixed Colors**	5c.

BRACHYCOME

(Swan River Daisy.)

510 A charming dwarf-growing and floriferous annual, covered during the greater part of the season with its pretty blue and white flowers; very suitable for edging or pots, 5 cents.

Begonia Semperflorens.

ASTERS

SNOWDRIFT ASTER

410 A very early and exceptionally beautiful Aster with large, handsome, plumy flowers of the purest white on long and strong stems. The finest and most valuable early Aster for cutting. This Aster is of American origin, and should be in every garden, as it is specially suited for our trying climate. Per pkt. 15c.

VICTORIA ASTERS.

Massive and showy magnificent flowers with regularly overlapping petals, double up to the center. They are about 18 inches high, of beautiful pyramidal growth, blooming during August and September, carrying from 25 to 40 flowers of pure and clear colors. Fine for cutting.

		Pkt.
430	**Crimson**	10c.
432	**Dark Blue**	10c.
433	**Light Blue**	10c.
435	**Pink**	10c.
437	**White**	10c.
438	**Mixed**	10c.
439	**Collection of the 5 colors**	40c.

Balsam.

BEGONIAS

These are among our most beautiful and floriferous tender perennials, and are very valuable for bedding, especially where they can be benefited with a partial shade during the afternoon. The "Semperflorens" class bear innumerable small flowers, often completely hiding the plant, while the flowers of the "tuberous-rooted" section are very large and of fairly dazzling colors. They should be sown inside, the sooner the better, and transplanted into small boxes or pots when large enough. After the weather has settled they may be planted outside.

490 **Semperflorens "Vernon,"** rosy carmine flowers, best for bedding, 10 cents.

496 **Semperflorens, Mixed Colors.** This mixture contains all the best varieties, ranging in color from white to crimson, 10c.

497 **Tuberous Rooted, Single, Mixed,** 25c.

498 **Tuberous Rooted, Double, Mixed,** 25c.

Browallia Speciosa Major.

BROWALLIA

(Amethyst.)

Blue bedding plants are very scarce, but in this one we have a plant which is so floriferous during the entire season, and the color of which is so intense, that it easily ranks first. It will grow freely in any rich soil and for best success it should be sown early in the house.

520 **Elata.** Large sky-blue flowers with white center, 5c.

526 **Speciosa Major.** A very large flowering variety of the most brilliant ultramarine blue; does finely for bedding, hanging baskets or vases; also valuable as pot plant for winter blooming, 15c.

528 **Mixed Colors,** 5 cents.

BELLIS PERENNIS

(English Daisy.)

A charming hardy perennial, which produces its beautiful, double, bright colored blossoms in a bewildering profusion from the earliest spring till almost July. It is especially adapted for edging, growing only about 4 inches high.

500 **Longfellow,** large double pink flowers, 10c.

507 **Snowball,** extra large pure white flowers, 10c.

508 **Mixed Colors;** all colors, including crimson, 10c.

509 **Giant. Mixed colors. New giant flowered.** Pkt. 15c.

Bellis Perennis Fl. Pl.

CALCEOLARIA

Calceolaria

Greenhouse plants producing in greatest pro fusion slipper-shaped, spotted and beautiful colored flowers; great favorites for decorating houses or conservatories. Our strains are absolutely the best procurable. Per Pkt.

530 **Giant Self-Colors, Mixed** 25c

532 **Giant Spotted and Tigered, Mixed** ..... 25c.

CALENDULA

(Pot Marigold.)

Charming, old-fashioned annuals which will grow in any soil and will keep on blooming all summer. The flowers are large, varying in the different shades of yellow and orange. They should be sown right in the open border, where they are to remain; also good for pots.

540 **Meteor,** large, deep yellow, petals bordered orange ..... Per pkt. 5c.

544 **Pure Gold,** pure golden yellow ..... Per pkt. 5c.

546 **Pongei fl. pl.,** creamy white ..... Per pkt. 5c.

Candytuft.

CALLIOPSIS

It would be very difficult to find among the annuals another plant of such exceeding gracefulness and so desirable. It grows from one to two feet high and blooms in a marvelous abundance. The flowers are medium sized, with very bright colors, appearing singly on long, wiry, branching stems. They are excellent for cutting and should have a place in every garden.

550 **Coronata.** Large, pure yellow flowers, very showy and fine for bedding. Per pkt. 5c.

551 Bicolor Nana. Per pkt. 20c.

552 **Drummondi** (Golden Wave). Large golden yellow, with chestnut brown middle; of innumerable quan tity. A solid bed of this will be a sight never to be forgotten. Per pkt. 5c.

553 **Nigra speciosa.** Dark, rich crimson, very beautiful. Per pkt. 5c.

554 **Tinctoria.** Large golden yellow, with a garnet eye. Per pkt. 5c.

558 **Mixed.** A mixture of many choice varieties. 25c. per oz.; per pkt. 5c.

Calliopsis Tinctoria.

CAMPANULA

(Bellflower.)

Biannual and perennial plants, which are great favorites with all lovers of flowers. They bear great masses of bell-shaped flowers, growing well in good rich soil; will bloom the first season if sown early. Should be planted in masses along shrubbery, where they will make a grand effect.

CANTERBURY BELLS.

(Campanula Medium.)

Calycanthema (Cup and Saucer). One of the most valuable, with large flowers, resembling a cup and saucer. Pkt.

560 **Blue** ..... 10c.

565 **Rose** ..... 10c.

566 **Striped** ..... 10c.

567 **White** ..... 10c.

568 **Mixed** ..... 5c.

569 **Collection of the 4 Colors** ..... 30c.

577 **Single, Mixed** ..... 5c.

578 **Double, Mixed** ..... 5c.

587 **Persicifolia grandiflora, mixed** (Peach Bells). One of the finest of the hardy Bellflowers, growing 2 to 3 feet high; large blue and white flowers. Per pkt. 10c.

588 **Pyramidalis, Mixed** (Chimney Bellflowers). A grand plant, with tall spikes of beautiful, large, bell-shaped blue and white blossoms; 3 feet. Per pkt. 5c.

Calendula "Meteor."

Canary-Bird Vine

590. **Very quick-growing, graceful** climber, belonging to the Nasturtium family, the flowers of which bear a resemblance to a canary bird with its wings expanded. Per pkt. 5c.

CANDYTUFT

(Iberis.)

A well-known annual grown in large quantities by florists for cut-flower purposes. They should be sown right in the open border.

604 **Empress.** Large, pure white flowers, candelabra - like growth. Oz. 30c. ..... 5c.

600 **Carmine** ..... 5c.

606 **Lavender** ..... 5c.

607 **White Rocket** ..... 5c.

608 **Mixed Colors** ..... 5c.

CANNA

(Indian Shot.)

Canna are undoubtedly the grandest bedding plant for our climate. Seeds should be soaked in water before sowing.

610 **Large Flowering, Mixed.** Many different colors, 5c.

Campanula Medium.

Centaurea Imperialis.

CARNATIONS

These deliciously scented plants are general favorites with all and few there are indeed who do not know them. They are fine for bedding and excellent for pots during the winter, when a single flower will fill the room with its spicy odor.

MARGUERITE CARNATIONS.

A very desirable class which will bloom within eight weeks after planting, remaining in bloom way into the frost.

627 **Mixed Colors.** A choice assortment of colors, 5c.

628 **Giant Mixed Colors.** A much improved strain with large flowers, 10c.

638 **Chabaud's Everblooming.** Very large double flowers of strong growth, rivaling greenhouse grown carnations, 20c.

CELOSIA

Cristata or Cockscomb Varieties.

A desirable annual with flower stands resembling the cock's comb, of very easy cultivation.

640 **Glasgow Prize.** Very large crimson comb.....10c.

648 **Dwarf Mixed.** A mixture of all colors..... 5c.

Celosia Plumosa

PLUMOSA OR FEATHERED VARIETIES.

Very beautiful ornamental plants, making a striking appearance.

650 **Golden Plume.** Bright golden yellow, very brilliant, 10c.

655 **Thompsoni.** Of stately pyramidal growth, with bright crimson plumes and bronze foliage, making a wonderful contrast, 10c.

656 **Thompsoni magnifica.** Similar to the above, but containing a large variety of the richest colors. Indeed, they must be seen to be appreciated; in no other plants are colors of such brilliancy, 10c.

658 **Mixed Colors** .....5c.

CERASTIUM

(Snow in Summer.)

690 **Tomentosum.** A beautiful dwarf hardy perennial, suitable as an edging plant, and when in bloom covers the ground with a white sheet, 10c.

Shasta Daisy.

CORNFLOWERS

(Centaurea Cyanns.)

682 **Blue.** Dark blue. Oz. 25c.....5c.

688 **Mixed Colors.** Oz. 25c.....5c.

DUSTY MILLERS OR WHITE-LEAVED CENTAUREAS.

Largely used for bedding, hanging baskets or vases. They are very effective for edging.

660 **Candidissima.** Silvery white with broadly cut foliage, 10c.

662 **Gymnocarpa.** The foliage of this variety is much finer cut, 10c.

CHRYSANTHEMUM

700 **Frutescens** (Paris Daisy or Marguerite). Tender perennial; pure white, fine for winter blooming, 10c.

701 **Frutescens "Comtesse de Chambord."** Same as above, but yellow, 10c.

703 **Japanese Mixed.** Saved from the finest double flowers, 20c.

705 **Maximum** (Moonpenny Daisy). Hardy perennial, with large, pure white flowers and yellow center, 10c.

706 **Shasta Daisy.** The largest of all the Moonpenny Daisies; grown by Luther Burbank. **Pkt. 20c.**

707 **Single Annual Mixed.** They are among our best garden flowers, blooming in the greatest profusion, 5 cents.

708 **Double Annual Mixed**.....5c.

CENTAUREA

A class of very useful annuals for bedding or cut flowers; known also under the name of Cornflowers, Bachelor Buttons, Ragged Sailors, Sweet Sultan, or Dusty Millers; the last ones now being indispensable for bedding.

668 **Gigantea, White** .....20c.

Centaurea Imperialis

It is not very many years since this magnificent annual was introduced, and yet it is now well known. The flowers are very graceful, sweet-scented, long stemmed and will last almost two weeks when cut.

670 **Lavender** .....10c.

674 **Purple** .....10c.

675 **Rose** .....10c.

677 **White** .....10c.

678 **Mixed** .....10c.

679 **Collection of the 4 Colors**...30c.

680 **Snaveolens** (Yellow Sweet Sultan). Large, bright yellow, very sweet, 10c.

Marguerite Carnation.

Chrysanthemum, Single Annual.

Cineraria.

CINERARIA

A well-known greenhouse plant, producing its beautifully colored flowers in large, broad panicles in greatest abundance. A well grown plant in full bloom, with its intense coloring, will attract attention from everyone. Our strain comes from the best European specialists.

Per Pkt.

710 **Large Flowering Gold Medal Dwarf Mixed**.....25c.
711 **Large Flowering Gold Medal Tall Mixed**.....25c.
715 **Polyantha (stellata)** (Star Cineraria). Large spreading panicles two feet high, with innumerable starry flowers of gorgeous colors; they are the most showy plants for decorative purposes, 25c.

CLARKIA

718 **Pulchella Mixed.** A charming annual, blooming during the entire season in greatest abundance; should be sown in the open border after weather is settled, 5c.

Convolvulus.

COBAEA

(Cups and Saucers Vine.)

A rapid growing climber, very valuable for covering porches, trellises, tree-trunks, and will cling to any rough surface. The seed should be put in edgewise when sowing and covered lightly.

720 **Scandens.** Blue; large, bell-like, purple.....10c.
721 **Scandens.** White .....10c.

COLEUS

(Flame Nettle.)

730 **Hybridus Mixed.** A tender annual used largely for bedding, where its brilliantly colored foliage is very effective. Our seed is obtained from a very choice strain. Per pkt. 15c.

CONVOLVULUS

(Morning Glory.)

The old favorite, fast-growing climber which we meet in every garden; is satisfied with any soil and any position, producing its glorious and bright flowers in great masses.

747 **Major Mixed.** Oz. 15c.; Pkt. 5c.
748 **Minor Mixed,** growing only 1 foot high, 5c.

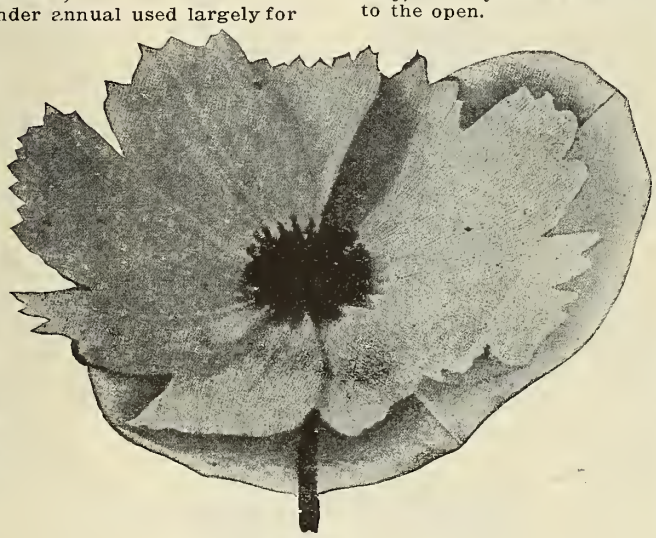
COREOPSIS

750 **Lanceolata grandiflora.** Unquestionably one of the finest hardy perennials, bearing its golden yellow flowers gracefully on long, slender stems high above the foliage. A patch or a row of them in bloom is certainly a beautiful sight. Pkt. 10c.

COSMOS

A gorgeous, tall growing annual, bearing its thousands of graceful flowers during the latter part of the summer and fall till frost. Its large single, pink, crimson or white flowers waving on their long stems amidst the finely cut foliage are a lovely sight, and few plants are equally valuable for cut flowers to decorate with. They grow five to six feet high, and are admirable for hiding unsightly fences. Seed should be sown in open ground in early May, or may be started in cold frames and transplanted to the open.

760 **Giant Crimson**.....10c.
762 **Giant Pink**.....10c.
766 **Giant White**.....10c.
768 **Giant Mixed**.....5c.
769 **Collection of the 4 Colors**.....35c.
770 **Klondyke.** A beautiful golden yellow; one of the finest yellow flowers in existence, 10c.
772 **Early Dwarf Mixed.** This will begin to bloom in July, 10c.



Cosmos.

CYPRESS VINE

(Ipomoea Quamoclit.)

This is the most graceful annual vine belonging to the family of the Morning Glories. Its foliage is very delicate, fern-like, and the flowers are either bright crimson or white, shaped like a little star. They grow very rapidly, attaining a height of 15 feet and more. Should be sown in May.

800 **Scarlet**.....5c.
801 **White**.....5c.
803 **Mixed Colors**.....
Oz. 25c. 5c.

COWSLIP (Primula Veris)

780 A magnificent, very early, hardy, spring flowering perennial, whose flowers of yellow, brown or purple are borne in umbels, 10c.

DATURA

(Trumpet Flower.)

820 **Cornucopia** (Horn of Plenty). A magnificent kind with large flowers, 8 inches long by 5 inches wide, creamy white inside and purple outside; very fragrant; will bloom all summer, 5c.

Cypress Vine.

CYCLAMEN

(Persian Violet.)

A very attractive plant for pots for winter or spring blooming. They can only be raised successfully in frames or greenhouses, forming a dwarf tuft of splendidly marked foliage, above which the elegant flowers appear in countless numbers. Our strains are from the best noted European specialists, and cannot be surpassed.

790 **Giant Blood Red**.....25c.
791 **Pink**.....25c.
792 **Rubin**.....25c.
793 **Salmon**.....40c.
794 **Pure White**.....25c.
795 **White with Carmine Eye**.....25c.
796 **Mixed**.....25c.
797 **Mixed Colors.** Ordinary large flowering type.....15c.
798 **Papilio or Butterfly.** The petals of this type are gracefully fringed and waved, making them exceedingly beautiful.40c.

Cobaea.

Dianthus Heddewigii, sgl.

DAHLIA

They are too well known to need any further description. They can easily be raised from seed sown in the open ground during the early part of May, and will bloom almost as early as those planted as roots or plants.

810 **Collerette,** a new type, having a row of different colored short petals like a frill or collar around the disc. Per pkt. 15c.

811 **Giant Perfection Mixed,** a very large flowering single strain of beautiful color combinations. Per pkt. 15c.

812 **Tom Thumb Mixed,** very dwarf and compact, fine for planting in masses. Per pkt. 10c.

813 **Colossal.** Pkt. 25c.

814 **Single Mixed,** different kinds. Per pkt. 5c.

816 **Large Flowering Double Mixed.** Per pkt. 10 cents.

818 **Large Flowering Double Cactus Mixed,** from a very choice strain. Per pkt. 10c.

Digitalis.

DELPHINIUM

(Larkspur.)

Under this heading we list the hardy perennial Larkspur, which, with their magnificent bright-colored flower stands, make such desirable plants for the hardy border. They are unsurpassed as cut flowers for vases, and we know of no other plants where the blue coloring is of such intensity.

830 **Chinense,** a beautiful variety, with colors varying in the different shades of blue, 24 inches. Per pkt. 5c.

831 **Chinense Album,** white. Per pkt. 10 cents.

835 **Elatum** (Bee Larkspur), various shades of blue with dark center, 3 to 5 feet high. Per pkt. 10c.

840 **Formosum,** a grand variety of silvery, rich blue with a white center. Per pkt. 5c.

841 **Formosum Coelestinum,** the finest light sky-blue, magnificent. Per pkt. 15c.

847 **Hybridum Single Mixed.** Per pkt. 5c.

848 **Double Mixed.** Per pkt. 10c.

DIGITALIS

(Foxglove.)

Very showy hardy perennials sending up tall spikes surrounded by long pending bell-shaped flowers, giving the plant a most ornamental appearance. They are excellent for planting in masses, naturalizing on sloping terraces or near shrubbery.

880 **Gloxiniaeflora Mixed,** a fine selected, large flowering strain. Per pkt. 10c.

888 **Purpurea Mixed.** Per pkt. 5c.

Eschscholtzia.

ECHINOCYSTIS

(Wild Cucumber Vine.)

910 **Lobata,** this is the quickest growing annual vine, making a most charming effect with its numerous Mignonette-like flowers, the best for covering old barns, fences, tree-trunks; will cling to any rough surface. Oz. 25c.

DIANTHUS (Pinks)

A very popular and well-known plant of easiest cultivation, producing great masses of beautiful colors during the entire summer. They may be sown out of doors during April, and will commence blooming after only six weeks old.

850 **Heddewigii Single Mixed** ..... 5c.
851 **Vesuvius** ..... 15c.
852 **Snowdrift** ..... 20c.
858 **Imperialis Single Mixed** ..... 5c.
860 **Chinensis Double Mixed** ..... 5c.
864 **Heddewigii Double Mixed** ..... 5c.
868 **Imperialis Double Mixed** ..... 5c.
870 **Pumarius** (Pheasant-eye Pink), a beautiful hardy variety with fringed petals ..... 5c.
871 **Semperflorens Double Mixed,** an ever-blooming, hardy sort, very sweetly scented. Pkt..... 20c.

DOLICHOS (Hyacinth Bean)

A splendid quick-growing climber, producing long sprays of lavender, purple or white flowers, followed by dark shining seed pods, which with the bronze foliage make a beautiful combination.

890 **Blue,** violet purple to lavender. Per pkt. 10c.

891 **White,** a new white variety introduced from Japan, snow white, beautiful. Per pkt. ..... 10c.

895 **Mixed Colors,** the above 2 colors in mixture. Oz. 15c. Pkt. ..... 5c.

Dianthus Chinensis, Double.

DRACAENA

(Dragon Plant.)

Beautiful ornamental-leaved plants, fine for vases and house decoration.

900 **Australis,** broad leaves. Pkt. ..... 10c.

902 **Indivisa,** narrow foliage. Pkt. ..... 10c.

ESCHSCHOLTZIA

(California Poppy.)

Charming annuals, with bright glorious colors like gold, bloom in greatest profusion, their foliage is finely cut of light green. They should be sown in the open border in May and will keep in bloom the entire summer.

920 **Mandarin,** rich orange on the inner side and bright scarlet outside. Pkt. ..... 5c.

927 **Single Mixed,** all colors. Oz. 25c. Pkt..... 5c.

928 **Double Mixed,** all colors. Oz. 40c. Pkt..... 5c.

Delphinium Chinense.

Gloxinia.

Gaillardia Grandiflora.

Globe Amaranth.

EUPATORIUM

(Thorough-wort.)

Showy, hardy perennials well worth a place in every border. They grow very willingly in almost any soil and produce their flossy clusters of flowers at periods where there are few others. They are excellent for cutting, lasting a long time.

942 **Fraseri,** a dwarfer kind, grown in large quantities by florists, one of the best white cut flowers. Pkt. 10c.

GAILLARDIA

(Blanket-Flower.)

Very showy annuals or perennials, with brilliant flowers produced in astonishing masses during the entire summer. The hardy kinds will bloom the first season if sown early and increase in beauty every year. Both are excellent for borders and will make a grand effect if planted in masses.

952 **Picta Mixed,** single annual kinds mixed.....Pkt. 5c.
953 **Lorenziana, Double** Mixed, a fine mixture of annuals, very pretty. Pkt..... 5c.
958 **Grandiflora,** perennial .....10c.

GERANIUM

(Pelargonium.)

Well-known, tender perennials, indispensable for bedding; they are the best suited bedding plants for our trying climate.

970 **Apple Scented,** great favorite on account of its fragrant foliage. Pkt. 10c.

975 **Zonale Single Mixed,** the best bedding kind, a superb strain of largest flowering varieties. Pkt. 10c.

GLOBE AMARANTH

(Gomphrena.)

980 **Globosa Mixed** (Bachelor's Button), very nice for the border, with small, ball-shaped flowers, which may be dried and used for bouquets in winter. Pkt. 5c.

GLOXINIA

A very beautiful plant for the greenhouse, producing magnificent long, large, bell-shaped flowers with the most glowing colors. They form a tuber which may be used the following year.

990 **Large Flowering Mixed,** collected from an unsurpassable strain. Pkt. 25c.

Helianthus globosus fistulosus.

Gaillardia Lorenziana, Double Mixed.

GYPSOPHILA

Very floriferous plants, bearing its thousands of minute white flowers on long branching stems, forming a regular network of little flowers, they are admirable for cutting to be mixed with bouquets. Grow very easily from seed.

1050 **Elegans Mixed,** annual .....Pkt. 5c.
1051 **Paniculata** (Baby's Breath), hardy perennial .....Pkt. 5c.

HELIANTHUS

(Sunflower.)

Sunflowers are very showy and can be used for hiding unsightly corners, etc. Should be sown in the open ground in May.

1060 **Cucumerifolius** (Miniature Sunflower), small single flowers, 3 to 4 feet, yellow with dark disc.....Pkt. 5c.
1063 **Double Mixed Colors**.....Pkt. 10c.
1064 **Globosus Fistulosus,** very large and double .....Pkt. 5c.
1067 **Nanus fl. pl.,** double .....Pkt. 5c.
1068 **Perennial Mixed Varieties,** a mixture of fine single flowering hardy kinds.....Pkt. 10c.

GODETIA

A beautiful annual, forming regular dwarf bushes, covered completely with bright showy flowers of various colors.

999 **Lady Satin Rose,** deep rose pink flowers .....Pkt. 5c.
1000 **Mixed Colors** .....Pkt. 5c.

GOURDS

Very ornamental, rapid growing climbers, suitable for covering arbors, fences, porches, etc., producing fruits of the most various and often very grotesque shapes.

1010 **Dish Rag or Sponge**.....Pkt. 5c.
1011 **Calabash or Dipper**.....Pkt. 5c.
1012 **Egg-shaped,** white like an egg.....Pkt. 5c.
1013 **Hercules Club,** 4 feet long, club-shaped.....Pkt. 5c.
1014 **Orange** (mock orange) .....Pkt. 5c.
1015 **Pear,** striped .....Pkt. 5c.
1016 **Serpent,** very long and twisted.....Pkt. 5c.
1017 **Turk's Turban,** striped with red.....Pkt. 5c.
1018 **Sugar Trough** .....Pkt. 5c.
1019 **Mixed Kinds.** Oz. 20c.....Pkt. 5c.
1020 **Collection of the 9 Sorts**.....35c.

GREVILLEA

(Silk Oak.)

1035 **Robusta,** very ornamental and graceful decorative plant, nice for the center of a table, very effective. Pkt. 10c.

GRASSES

Ornamental Grasses used in the proper proportion will help to make large groups of flowering Cannas, Caladiums, etc., effective, and planted by themselves will make a striking appearance.

1040 **Coix Lachrymae** (Job's Tears), broad leaves, bright shining seeds like pearls. Oz. 15c. Pkt. 5c.

1046 **Pennisetum longistylum,** long graceful, greenish white plumes, fine for bouquets. Pkt. 5c.

1047 **Rueppelianum** (Purple Fountain Grass), beautiful, graceful purple plumes, most effective for planting in mixed beds or by itself. Pkt. 10c.

Helianthus Cucumerifolius.

Hollyhock.

Heliotrope.

Lantana.

HELICHRYSUM (Straw Flower)

Charming annual with "Everlasting" flowers with bright colors and shape of an Aster. Sow outdoors in May where they will get plenty of sun.

1070 **Giant Double Mixed**.....Per pkt. 5c.

HELIOPSIS (Orange Sunflower)

Effective, hardy perennial, growing four feet high; flowers resembling a small sunflower, of beautiful deep golden yellow with dark center. Appear in great masses in July.

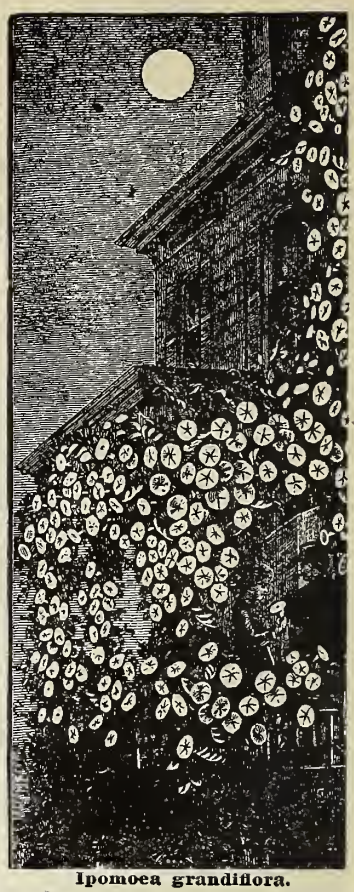
1080 **Pitcheriana.** Fine for cutting.....Per pkt. 10c.

HELIOTROPE (Cherry Pie)

A tender perennial, which produces its delightful vanilla-scented flowers throughout the whole year. The small flowers are borne in clusters; very desirable as cut flowers. Sow outdoors in early May or start in the house or cold frame for transplanting outside by approach of warm weather.

1097 **Mixed Colors**.....Per pkt. 5c.

1098 **Lemoine's Giant Mixed.** Flowers and trusses very large.....Per pkt. 10c.



Ipomoea grandiflora.

HEUCHERA (Alum Root)

An exceedingly graceful hardy perennial, growing about 1 foot high, with innumerable flowers, blooming in spring.

1100 **Sanguinea,** bright crimson.....Pkt. 10c.

HOLLYHOCK (Althaea Rosea)

There is no other plant with which such gorgeous effects may be attained as with those gorgeous and imposing hardy perennials, their tall, 6 to 8 feet high flower stem, surrounded by the large and magnificent blossoms, look like a skyrocket standing in the air.

1110 **Double Crimson**.....10c.
1111 **Light Yellow**.....10c.
1112 **Maroon**.....10c.
1113 **Double Pink**.....10c.
1114 **Rose**.....10c.
1115 **White**.....10c.
1116 **Double Mixed,** a choice mixture.....10c.
1117 **Fringed Allegheny,** mammoth flowers.....10c.
1118 **Single Flowering Mixed**.....10c.
1119 **Collection of 6 Double Colors**.....50c.
1120 **Double Everblooming**.....25c.
1121 **Double Fringed**.....25c.

HUMULUS (Hops)

1126 **Japonicus** (Japanese Hops). An exceedingly fast growing and handsome climber, very valuable for covering porches and unsightly places, 5c.

1127 **Japonicus variegatus.** Same as above; foliage striped and speckled with white, 5c.

HUNNEMANNIA

(Giant Yellow Tulip Poppy.)

1130 **Fumariaefolia.** A glorious annual with large yellow cup-shaped flowers, produced in greatest profusion till frost. The foliage is finely cut and of a glaucous color, 10 cents.

IBERIS (Candytuft)

1140 **Sempervirens** (Hardy Candytuft). Hardy perennial, being literally covered with its pure white blossoms in early spring. An excellent plant for edging or rockery, 10c.

IMPATIENS (Balsam)

1150 **Sultani** (Sultan's or Zanzibar Balsam). This is perhaps the best plant for shady places, as between houses or under trees, producing its bright-colored, carmine flowers in phenomenal masses. It makes a very valuable pot plant for winter blooming in the house or conservatory, 15c.

Larkspur.

IPOMOEA

1155 **Brazilian Morning Glory** (Ipomoea Setosa), a very desirable climber, makes a thick dense growth, and is brilliant with an endless profusion of rose-colored flowers, with a satiny pink star in each, 10c.

1160 **Grandiflora** (Moon Flower). A well-known plant, unfolding its large, pure white, sweet-scented flowers after sundown, very interesting to watch; grow very quickly and will cover a large surface within a few weeks, 10c.

1165 **Imperialis** (Japanese Morning Glory), of all the different climbing plants these take first rank. The best of all the Morning Glories, and of easy cultivation. Sow the seed outside in early May, after soaking for a day in tepid water. They will soon cover a large surface and glory every morning with most magnificent flowers of exquisite colors and gigantic size. Some are deep, rich, velvety; other daintily tinted and shaded from soft rose to crimson, light blue to purple, snow white to gray, blotched and spotted. Oz. 30c.; pkt. 5c.

1166 **Rubro-coerulea.** Immense flowers, sky-blue.....10c.

KOCHIA

Summer

1180 **Tricophylla.** A pretty annual, forming a close, cypress-like bush about 3 feet high. Admirable for forming hedges, which by approach of autumn turn to a deep red, 5c.; ¼ oz. 25c.

LANTANA

1188 **Hybrida Mixed.** A half-hardy, perennial greenhouse plant, well suited for bedding. The musk-scented flowers are produced in large umbels in countless numbers, their coloring being of quite distinct tints of red, orange, rose or white. Pkt. 10c.

LARKSPUR

A charming annual, with long spikes of magnificent flowers and graceful fern-like foliage. (For hardy Larkspur, see Delphinium.)

1198 **Dwarf Rocket**.....Pkt. 5c.

TALL STOCK FLOWERED.

1200 **Dark Blue**.....5c.
1201 **Light Blue**.....5c.
1202 **Light Pink**.....5c.
1204 **Lilac**.....5c.
1207 **White**.....5c.
1208 **Mixed Colors**.....5c.
1209 **Collection of the 4 colors**.....15c.

LATHYRUS (Hardy or Everlasting Sweet Pea)

A favorite perennial climber for covering fences or trellises; also useful for the rockery, with bright flowers appearing in clusters of from 4 to 6 to a stem.

1219 **Latifolius,** purplish red...5c.
1220 **Pink Beauty,** bright pink.5c.
1221 **Latifolius,** white ...Pkt. 5c.
1228 **Mixed Colors.** Oz. 30c...5c.

LAVENDULA (Lavender)

1230 **Vera,** a sweet-scented, hardy perennial, of delicious fragrance; an old-fashioned plant; should be in every garden. Oz. 20c. Pkt. 5c.

LINUM (Flax)

1240 **Grandiflorum Rubrum** (Scarlet Flax), a showy annual, growing about 15 inches high, with brilliant scarlet flowers on long slender stems. The foliage is very fine, making a very graceful plant. Pkt. 5c.

LOBELIA

The annual varieties of this invaluable bedding plant are very important for design planting, hanging baskets, window boxes or pots, blooming in a marvelous profusion the entire season. The perennial kinds are very imposing and should be in every hardy border.

1250 **Erinus Emperor William,** very compact, bright blue.....Pkt. 5c.
1252 **Speciosa (Crystal Palace),** deep blue, dark foliage, trailing. Pkt. 5c.
1255 **Dwarf Mixed Kinds** .....Pkt. 5c.
1256 **Crystal Palace Compacta,** fine, rich blue, very compact.....Pkt. 10c.
1257 **Heterophylla major,** very large flowers of a brilliant sky-blue, with a clear white eye, the best continuous bloomer, forms close compact bushes 6 inches high.....Pkt. 10c.
1260 **Cardinalis** (Cardinal Flower), a tall growing kind, 3 feet high, with large crimson scarlet flowers.....Pkt. 10c.

LOPHOSPERMUM

1270 **Scandens,** a beautiful annual climber, very ornamental, with rosy-purple gloxinia-like flowers. Pkt. 10c.

LUPINUS (Lupins)

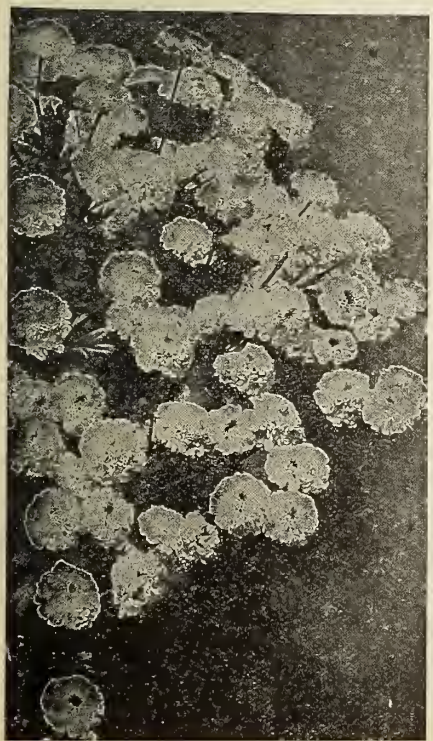
1280 **Annual Mixed,** stately free flowering annuals, doing well in a sandy soil, with long, graceful spikes of various colored pea-shaped flowers encircling the stems; a beautiful plant. Pkt. 5c.; oz. 25c.

LYCHNIS

1290 **Chalcedonica.** (Jerusalem Cross). Magnificent hardy perennial, for naturalizing in low places and exceeding ornamental in the hardy border, growing from 2 to 4 feet tall and surmounted with a big bouquet of brilliant scarlet cross-shaped flowers. Pkt. 5c.

LYTHRUM

1210 **Roseum Superbum** (Rose loosestrife). A very pretty hardy perennial; grows about 3 feet high, and produces spikes of rosy flowers from July to September. Pk. 10c.



Matricaria Capensis Fl. Pl.

Mignonette "Machet."

Marigold.

MARIGOLD

Old-fashioned favorites and unsurpassed for usefulness by any other annual. The freedom with which they produce their odd-colored, bright flowers, standing out boldly from the fresh green, makes them indispensable in any garden.

1310 **African El Dorado,** very large and double, all shades of yellow. Pkt. 5c.

1315 **Pride of the Garden,** immense flowers, golden yellow, 15 to 18 inches high. Pkt. 5c.

1318 **Mixed Colors.** Pkt. 5c.

1320 **French Gold Striped,** brown red with golden yellow stripes, 1 foot. Pkt. 5c.

1325 **Legion d' Honneur** (Little Brownie), a single and very dwarf compact variety, deep golden yellow with a large spot of crimson velvet. Pkt. 5c.

1328 **French Mixed Colors,** many varieties in mixture. Pkt. 5c.

1329 **Collection** of the four named varieties, 15c.

MATRICARIA

1340 **Capensis fl. pl.** (Double White Feverfew.) A very beautiful perennial, producing thousands of small white flowers, burying the plant under a sheet of white; good either for culture in the open border or for pots. Pkt. 10c.

MAURANDIA

A very graceful climber, much used by florists for filling vases, window boxes or hanging baskets, blooming from June till frost.

1350 **Barclayana, purple.** .....Pkt. 10c.
1355 **Mixed Colors.** .....Pkt. 5c.

MESEMBRIANTHEMUM

1360 **Crystallinum** (Ice Plant), a favorite for hanging baskets or pots, small white flowers with thick icy foliage. Pkt. 5c.

1362 **Tricolor** (Wax Plant), large brilliant flowers overlaid with a crystal sheen. Pkt. 5c.

MIGNONETTE (Reseda)

A great favorite with all flower lovers on account of its delicious fragrance. Sowing should be made early in spring and again in August, so as to have a succession of bloom the whole season.

1370 **Defiance.** One of the finest, with large, heavy spikes, deliciously scented, and perhaps the most valuable with every grower. Flower spikes 15 inches long are under favorable conditions common occurrence, 10c.

1373 **Goliath.** Undoubtedly the most beautiful Mignonette in existence; of compact growth, with long, stiff stems of crimson flowers, 15c.

1376 **Machet.** An old favorite; fine for pots and cutting; with large, good colored flower spikes, 10c.

1380 **Miles' Hybrid Spiral.** Branching habit ..... 5c.
1383 **Large Flowering Pyramidal.** A good red variety. Oz. 25c..... 5c.
1386 **Victoria.** A fine, large flower ..... 5c.
1388 **Sweet Scented.** Small flowers, but very sweet. Oz. 15c..... 5c.
1389 **Collection of the seven varieties**.....45c.

Mimulus Tigrinus.
(See page 58.)

Mirabilis.

MIMOSA

1400 **Pudica** (Sensitive or Humble Plant). An ornamental annual with pinkish-white flowers, curious and interesting on account of the foliage closing and drooping when touched, 5c.

MIMULUS

1410 **Moschatus** (Musk Plant). A perennial of dwarf creeping habit, with light green leaves and small yellow flowers; the foliage is very fragrant, 5c.

1412 **Tigrinus** (Monkey Flower). A pretty annual, producing its large, various colored flowers in greatest profusion throughout the summer, 5c.

MINA

1420 **Lobata.** One of our best half-hardy climbing plants, producing its long, narrow, crimson to orange flowers in countless numbers; exceedingly effective, 10 cents.

Nemophila.

MIRABILIS

(Marvel of Peru, or Four-o'clock.)

1430 **Jalappa Mixed.** An annual which should be planted in every garden. They grow under any conditions, in any kind of soil, and are covered with a marvelous quantity of bright, sweet-scented flowers. Per oz. 15c.....5c.

MOMORDICA

An annual climber covering a large surface in a very short time, especially suited to hide old barns or other unsightly places. They are very effective, when the ripe golden yellow fruits open and show the shining seed and their brilliant crimson interior.

1440 **Balsamea** (Balsam Apple) .....5c.
1441 **Charantia** (Balsam Pear) .....5c.

Balsam Pear.

MUSA ENSETE

(Abyssinian Banana.)

1450 Undoubtedly our most majestic and tropical-looking foliage plant, of very striking effect through its long, broad leaves, be it planted by themselves or in groups with old plants. It attains immense proportions in our hot summers, when placed in the open sun and planted in liberally manured soil. Seed should be sown early in the house, where heat can be applied, and the plants planted outside about the middle of May, 15c.

NEMOPHILA

(Love-grove.)

1650 **Mixed Varieties.** A very freely blooming annual, of neat, compact habit, likes a cool and shady place, where it will grow very luxuriantly. May be sown outdoors, latter part of April or early in May, 5c.

MYOSOTIS

(Forget-me-not.)

There are few gardens, indeed, where this old, little, dear favorite is missing. Its bright, pretty flowers blooming in such profusion in spring are well known to every lover of flowers. The **Palustris** varieties are admirably adapted for naturalizing in moist places.

1460 **Alpestris.** Bright blue ..... 5c.
1462 **Eliza Fonrobert** (Robusta grandfl.). Very large flowers; blue..... 5c.
1464 **Victoria.** Dwarf bushy, large umbels of light blue .....10c.
1466 **Palustris.** The true Forget-me-not; beautiful clear blue, blooming a long time ..... 5c.
1467 **Semperflorens.** The ever blooming kind; elegant for shady places.....10c.
1468 **Mixed** .....5c.

NICOTIANA

1660 **Affinis** (Tuberose Flowered Tobacco). A magnificent summer blooming annual, with large, tubular shaped, pure white flowers, deliciously scented. They are very suitable for bedding; to be planted in masses, 5c.

1664 **Sanderae.** This beautiful hybrid comes to us from England, and has created a sensation at every show where it was exhibited and was pronounced by all the **most strikingly beautiful plant of the year.** It forms a much branched plant about two feet high, laden with flowers from base to summit, a simply gorgeous sight with its handsome, carmine, sweet-scented blossoms, of which hundreds may be counted on a single plant. The flower is shorter than in the Affinis sort. It is as easy to grow as the ordinary kind and should be in every garden, 10c.

Nigella.

NIEREMBERGIA

(Cup Flower.)

1670 **Frutescens.** A half-hardy perennial of slender growth; continuously in bloom; fine for bedding, 10c.

NIGELLA

(Love in a Mist.)

1680 **Damascena Double Mixed.** A dwarf annual, with finely cut foliage; of easiest cultivation, 5c.

FOR NOVELTIES AND SPECIALTIES IN FLOWER SEED SEE PAGES 43-46.

Myosotis Alpestris.

NASTURTIUM

(Tropaeolum Majus.)

There are no annuals surpassing the Nasturtium in usefulness and beauty. They will thrive luxuriantly in any soil if in a sunny location, and produce their brilliant, sweet-scented flowers in an abundance which is astonishing. Our collections have been selected with great care and special importance has been laid on bright and warm colors and prolific blooming, and we are satisfied that no selection can be any better.

Dwarf Nasturtium.

DWARF OR TOM THUMB KINDS.

These are specially suited for bedding, and planted in rows will make beautiful sights when in bloom.

		Pkt.	Oz.
1480	**Aurora.** Primrose, veined with carmine pink	5c.	15c.
1485	**Beauty.** Yellow, veined with scarlet	5c.	15c.
1490	**Chameleon.** Various colored flowers on a plant	5c.	15c.
1495	**Empress of India.** Bright crimson; dark foliage	5c.	15c.
1500	**Golden King.** Beautiful golden yellow	5c.	15c.
1505	**King Theodore.** Very deep crimson	5c.	15c.
1510	**Pearl.** Cream white	5c.	15c.
1515	**Prince Henry.** Light yellow, spotted red	5c.	15c.
1520	**Queen of Tom Thumbs.** Scarlet leaves, spotted with white	10c.	20c.
1525	**Rose.** Soft rose	5c.	15c.
1530	**Vesuvius.** Salmon rose, dark foliage	5c.	15c.
1538	**Finest Mixed Colors.** Per ¼ lb. 30c.; ½ lb. 50c.; 1 lb. 90c	5c.	10c.
1539	**Collection of 10 Varieties.** (All with exception of No. 1520)	40c.	1.25
1540	**Liliput, or Miniature.** A dwarf, compact grower, free bloomer	5c.	20c.

TALL OR RUNNING KINDS.

They are elegant for covering fences, trellises, rockery, or trailing over the ground. They should not be planted too close; planted in hills at least two feet apart is close enough.

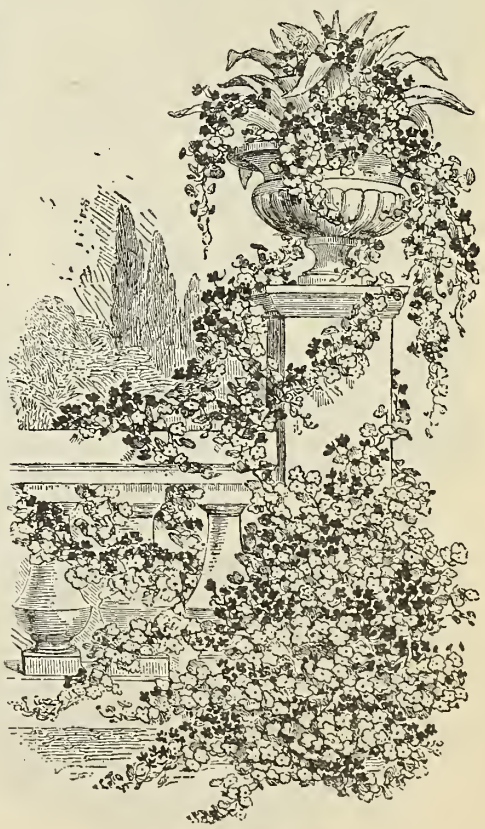
		Pkt.	Oz.
1550	**Chameleon.** Various colored flowers on the same plant	5c.	15c.
1555	**Crimson.** Very rich color	5c.	15c.
1560	**King Theodore.** Very deep crimson	5c.	15c.
1565	**Lemon Yellow.** Clear yellow, veined red	5c.	15c.
1570	**Pearl.** Creamy white	5c.	15c.
1575	**Prince Henry.** Light yellow, spotted red	5c.	15c.
1580	**Rose.** Soft rose	5c.	15c.
1585	**Scarlet.** Very bright	5c.	15c.
1590	**Vesuvius.** Salmon rose	5c.	15c.
1598	**Finest Mixed Colors.** Per ¼ lb. 30c.; ½ lb. 50c.; 1 lb. 90c	5c.	10c.
1599	**Collection of the Nine Varieties**	35c.	1.10

LOBB'S RUNNING NASTURTIUM

(Tropaeolum Lobbianum.)

There is only a slight botanical difference between these and the preceding kinds. The foliage is not as luxurious, but they bloom freer and have very brilliant colors.

		Pkt.	Oz.
1605	**Black Prince.** Very dark crimson	10c.	
1610	**Brilliant.** Dark, rich scarlet	5c.	20c.
1615	**Crown Prince of Prussia.** Deep, blood red	5c.	20c.
1620	**Regina.** Salmon red, changing to cream	5c.	20c.
1625	**Roi des Noirs.** Deep, velvety garnet	5c.	20c.
1630	**Spitfire.** Brilliant scarlet	5c.	20c.
1635	**Hybrids of Mad. Gunter.** A beautiful strain with large flowers of magnificent colors	5c.	15c.
1638	**Finest Mixed Colors.** Per ¼ lb. 40c.; ½ lb. 75c.; 1 lb. $1.25	5c.	15c.
1639	**Collection of the Six Varieties**	25c.	



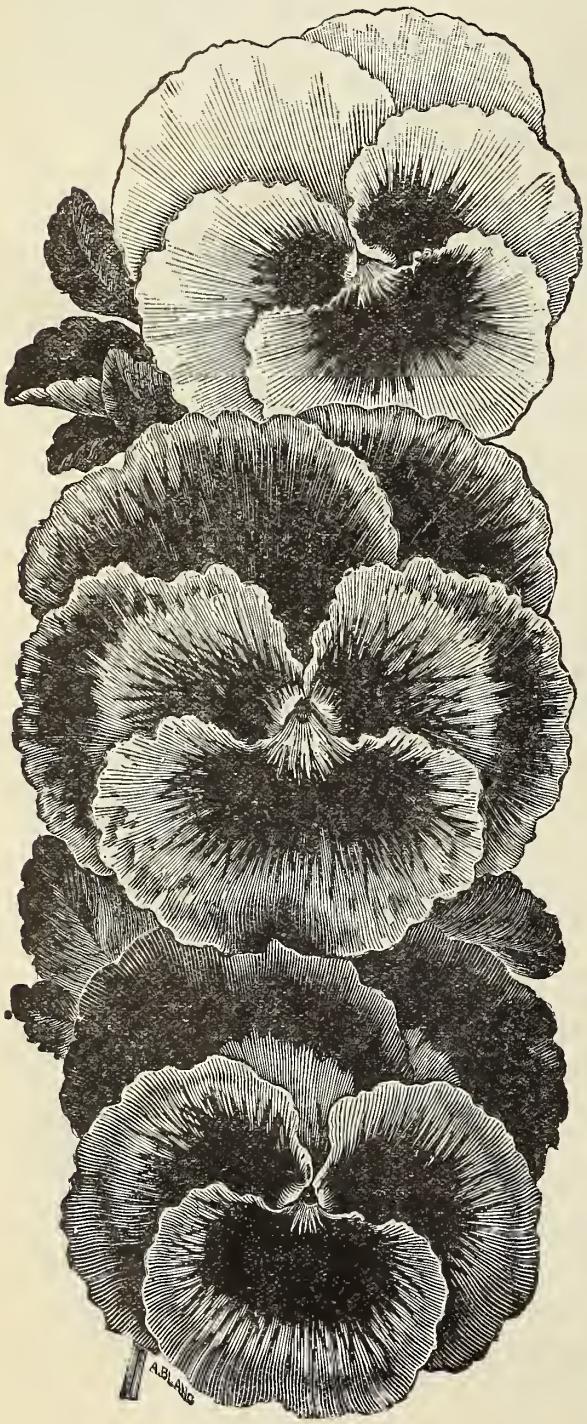
Tall Nasturtium.

PANSIES

(Heart's Ease.)

We offer below some of the choicest varieties of Pansies known for enormous size and beautiful colors.

The Pansy is another one of those universal favorites, highly prized by all. Their colors are so various that every known shade seems to be among them. They are some of the first flowers to bloom in the early spring and a bed of them, with its many different colors, will be one of the prettiest sights in the garden. For spring blooming they should be sown in the fall and protected slightly during the winter, or they may be sown very early in cold frames; for summer blooming sow in spring and plant out where they will have protection from the afternoon sun. They delight in a rich soil.



LARGE-FLOWERED PANSIES IN SEPARATE COLORS.

		Per Pkt.
1700	**Cardinal.** The best bright red	10c.
1705	**Emperor William.** Deep navy blue	10c.
1710	**Dr. Faust.** Jet black, very velvety	10c.
1715	**Gold Edged.** Chestnut brown, edged with gold	10c.
1720	**Light Blue.** A beautiful, clear color	10c.
1725	**Lord Beaconsfield.** Upper petals light blue to white; lower petals deep blue	10c.
1730	**Peacock.** Blue, claret and white	10c.
1735	**Snow Queen.** Pure white	10c.
1740	**Striped and Mottled.** A beautiful combination of colors	10c.
1745	**White with Dark Eye**	10c.
1750	**Yellow with Dark Eye**	10c.
1755	**Yellow Gem.** Pure, deep yellow	10c.
1759	**Collection of the Twelve Colors**	$1.00
1760	**Andromeda.** Apple blossom	25c.

GIANT TRIMARDEAU PANSIES IN SEPARATE COLORS.

1765	**Emperor William.** Deep navy blue	10c.
1770	**Fire King.** Purple and Gold	10c.
1775	**King of the Blacks**	10c.
1780	**Striped and Mottled.** Magnificent colors	10c.
1785	**White with Purple Eye**	10c.
1790	**Yellow with Black Eye**	10c.
1799	**Collection of the Six Colors**	50c.
1807	**Giant Trimardeau Mixture**	10c.

PANSIES IN MIXTURE.

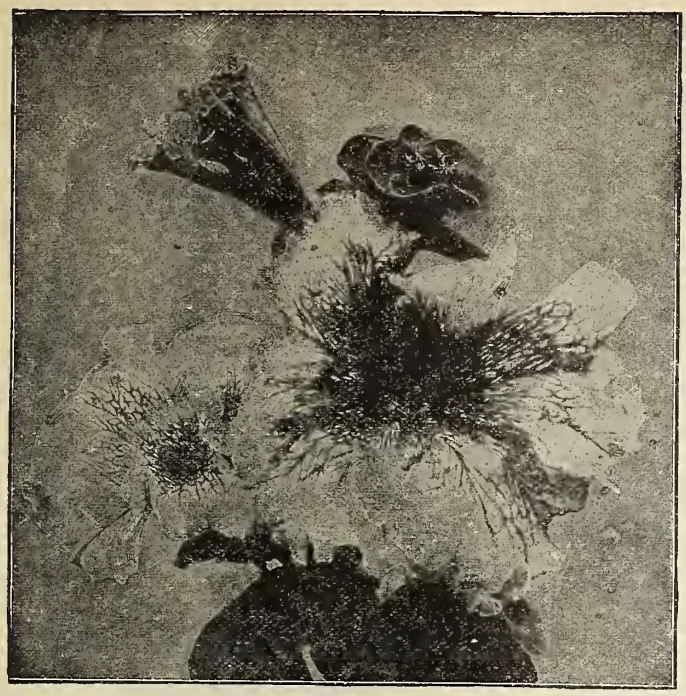
1805 **Gold Medal Mixture.** The markings and colorings of this strain are marvelous, composed of shades of brown, black, bronze, canary, chocolate, light blue, violet, indigo, orange, yellow, garnet, chestnut, marbled and mottled, white, striped, edged and blotched; and we are confident that they will give the best satisfaction. Their texture is firm; of round, perfect form, and remarkable for freedom of bloom. This mixture is the result of a lifelong experience and we doubt if any better can be purchased. ⅛ oz. $1.25. Pkt. 50c.

1807 **Giant Trimardeau Mixture.** This class of Pansies has been perfected to its present high standard after years of careful selection. They are very luxuriant in their growth, producing very large spotted flowers, the colors of which are remarkable for their warmth and purity. For bedding in mixture or planting in rows in separate colors, they are the most effective. They are well adapted for our trying climate. ¼ oz. 50c.; pkt. 10c.

1809 **Giant-Flowered Parisian Mixture.** This class is distinguished by its magnificent colors and markings. They usually have a large dark blotch on each petal, surrounded by a broad band of contrasting color, while a lighter netting is thrown over the entire flower. The size of the blossom is tremendous; flowers measuring 3½ inches in diameter are by no means rare. **¼ oz. 75c.; pkt. 15c.**

1811 **Bugnot's Giant Mixed.** Another remarkable strain, showing deep, irregular blotches on each petal, surrounded by a lighter band, which is again edged by a ribbon of a dark color. The edges are slightly frilled and fluted. The colors are soft and odd, presenting novel and striking combinations. ⅛ oz. **75c.; pkt. 25c.**

1813 **Large-Flowered Mixed.** A fine mixture of Pansies of medium-sized flowers; fine for growing in masses. ¼ oz. **35c.**; 1 oz. $1.00; pkt. 5c.



Petunia, "Giants of California."

PETUNIA

A garden without these favorites could hardly be called complete; there are few which equal them for effect. They commence blooming in July if sown outside in May, and continue to flower in great masses until destroyed by frost. Their culture is the most simple; any soil seems to suit them, while of course, a good rich earth adds greatly to the richness of color. The various strains which we offer have been obtained from specialists, and we are confident that they will give satisfactory results. For early blooming sow early in the house and cultivate in small pots or flats till the weather has settled.

1850 **Gold Medal Single Fringed.** Saved from the finest marked and largest flowers; beautifully fringed, of long, deep throat and magnificent colors, 25c.

1852 **Gold Medal Double Fringed.** Like the preceding, but very double, forming perfect balls, often resembling a double carnation-flowered Poppy, 50c.

1854 **Giants of California.** Giant flowers of striking colors and markings, with deep yellowish veined throats, 25c.

1858 **Howard's Star.** A beautiful, full-flowering strain; color a deep purplish crimson with a plainly defined large white star over the flower, 15c.

1862 **Inimitable Mixed** (Star Petunia). A dwarf, compact growing variety of various colors, with a star of lighter color over the flower, 10c.

1865 **Striped and Blotched.** A very floriferous strain of medium large flowers, striped and blotched irregularly; very effective, 5c.

1868 **Fine Mixed.** Very fine for massing, producing flowers in greatest profusion, 5c.

1869 **Adonis.** Carmine, white throat, 10c.

PENTSTEMON

(Beard-Tongue.)

One of our best hardy perennials, of stately appearance, with large, gloxinia-like flowers of various colors; fine for planting in masses.

1830 **Gentianoides grandiflorus.** This is perhaps the best known of the family, growing to a height of 2 feet. It bears very beautiful and large flowers on long, slender stems. An elegant bedding plant, and if sown early and planted out in May in good rich soil, will bloom the latter part of July and continue till late in fall. Should be slightly protected during the winter, 10 cents.

BOOKS ON HORTICULTURAL SUBJECTS ARE LISTED ON THIRD PAGE OF COVER.

Pentstemon Gentianoides Grandfl.

PASSIFLORA

(Passion Flower.)

1820 **Mixed.** A beautiful half-hardy perennial climber, with large, magnificently colored flowers, produced abundantly throughout the season, 10c.

FOR HARDY PERENNIAL PLANTS, SEE PAGES 71-72

PERILLA

1840 An annual plant with dark-brown foliage, cut and frilled at the edges, giving the plant a very ornamental appearance. It is largely used for bordering off Cannas and other high subjects, 5c.

PHLOX DRUMMONDII

One of our best continuous blooming annuals, invaluable for bedding and excellent for cut-flower purposes. They are unquestionably one of our most useful plants, giving a richness to our gardens during the hot months as few other plants. The flowers are produced in clusters of large, beautifully-colored blossoms. May be sown outside in spring, or started in the house if wanted earlier.

1880 **Drummondii, Mixed Colors.** Oz. 50c ..... Pkt. 5c.

LARGE-FLOWERED VARIETIES.

1886	**Crimson**	10c.	1892	**Scarlet**	10c.
1888	**Dark Blue**	10c.	1894	**White**	10c.
1890	**Deep Pink**	10c.	1898	**Mixed Colors**	10c.
1899	**Collection of the Five Colors**	35c.			

DWARF LARGE-FLOWERED VARIETIES.

1902	**Crimson**	10c.	1908	**Scarlet**	10c.
1904	**Dark Blue**	10c.	1910	**White**	10c.
1906	**Deep Pink**	10c.	1918	**Mixed Colors**	10c.
1919	**Collection of the Five Colors**	35c.			

EXTRA DWARF LARGE-FLOWERED VARIETIES.

A very dwarf, compact growing strain, specially suited for pots and edging.

1920 **Fireball.** Scarlet ..... 10c.
1922 **Snowball.** Pure white ..... 10c.
1925 **Mixed Colors** ..... 10c.
1926 **Phlox Double Mixed,** with half-double flowers ..... 10c.
1928 **Star Phlox (Star of Quedlinburg).** Pretty, star-shaped flowers of various colors ..... 10c.

Phlox Drummondii Grandiflora.

Hardy Phlox.

POPPIES

The popularity of the Poppy is getting greater every year, and when one has seen them blooming in masses, with their large, brilliantly-colored flowers wide open in the glaring sun, one cannot help to admire them. The seed of some is so cheap that they may be sown liberally.

1970 **Daneborg.** Showy, large single flower of brilliant scarlet, with a white cross in the center. Pkt. 5c.

1975 **Miss Sherwood.** A beautiful kind, 2½ feet high, with flowers satiny white in the center, going into chamois rose, overlaid with a silvery hue. Pkt. 10 cents.

1980 **"The Shirley," Mixed Colors.** A charming single Poppy, ranging in color through the most delicate shades of pink, rose, scarlet, crimson; often daintily edged. Pkt. 5c.

1988 **Single Annual Mixed.** A large variety of many sorts and colors. Oz. 20c. Pkt. 5c.

1997 **Carnation-Flowered, Double Mixed.** Very double fringed flowers. Oz. 20c. Pkt. 5c.

1998 **Paeony-Flowered, Double Mixed.** Large double, immense flowers. Oz. 20c. Pkt. 5c.

FOR OUR GOLD MEDAL COLLECTION OF SWEET PEAS, SEE PAGES 46 AND 64.

HARDY PHLOX

(Phlox decussata.)

A glorious hardy perennial, widely known and found in almost every collection, producing on long, slender stems large clusters of bright-colored flowers, continuing to bloom almost the entire season.

Per Pkt.

1930 **Tall Mixed** ..... 10c.
1932 **Dwarf Mixed** ..... 10c.

PLATYCODON

(Chinese Bell Flower.)

A beautiful hardy perennial with large cup-shaped flowers appearing the entire season. They grow very readily from seed and are elegant subjects to plant in the hardy border.

1940 **Japonicum fl. pl.** A new double, very floriferous variety, 10c.

1943 **Mariesi.** Large open flower, 10 cents.

POLYANTHUS

(Primula elatior.)

This beautiful little perennial is one of the first to bloom after the snow has cleared away. The sweet-scented flowers are borne in umbels on slender stems seven inches high, and are of soft and pure colors. They delight in a moist and cool position and are fine for naturalizing.

1960 **Mixed Colors** ..... 10c.

Chinese Primrose.

Poppy "Daneborg."

PORTULACA

(Sun Plant.)

One of the brightest annuals, if favored with a sunny spot. They grow in any soil and soon carpet the ground with heavy wax-like growth, opening their flowers of glaring colors on sunny days.

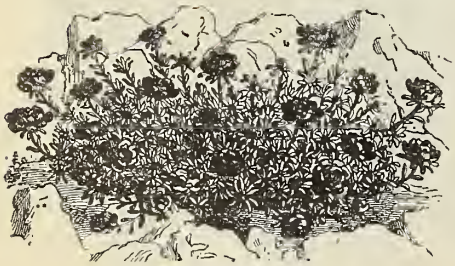
2020 **Single Mixed.** Oz. 30c. Pkt. 5c.
2025 **Double Mixed** ..... Pkt. 10c.

PRIMULA (Primrose)

Chinese Primroses.

The Chinese Primroses and the Obconica varieties are the most useful pot plants for blooming in winter, and are not so very particular as to position as long as they receive a few rays of sunlight. Best success will be obtained, however, by those who have a cold frame at their command. They should be sown from March till June.

2040 **Alba Magnifica.** Pure white ..... 25c.
2042 **Chiswick Red.** Brilliant scarlet ..... 25c.
2044 **Holboru Blue.** Deep lavender ..... 25c.
2046 **Kermesina.** Carmine ..... 25c.
2047 **Striped** ..... 25c.
2048 **Mixed Colors** ..... 25c.
2049 **Fern-Leaved Mixed** ..... 25c.
2051 **Primula Obconica, Large-Flowered Mixed.** A class of very profuse bloomers, indispensable ..... 15c.
2052 **Obconica, White** ..... 15c.
2055 **Obconica, Fringed Mixed** ..... 15c.
2060 **Primula vulgaris** (English Primrose). A beautiful hardy perennial ..... 10c.



Double Portulaca.

HARDY POPPIES

2000 **Nudicaule Mixed** (Iceland Poppy). Of dwarf growth, finely cut foliage, with yellow and orange drooping flowers. Pkt. 10c.

2005 **Orientale** (The Large Oriental Poppy). Large scarlet flowers with big black blotch. Pkt. 10c.

PYRETHRUM

2070 **Aureum** (Golden Feather). Well-known bedding plant used for borders. Pkt. 5c.

2078 **Roseum Mixed.** Magnificent herbaecous plants, with large daisy-like beautifully colored flowers. Pkt. 10c.

Pyrethrum Aureum.

Ricinus Zanzibariensis.

RHODANTHE

(Swan River Everlasting.)

2090 **Mixed Colors.** A pretty annual everlasting, growing in any soil, preferring a sunny position. Per pkt. 5c.

RICINUS

(Castor-Oil Bean.)

There are no more ornamental and majestic looking plants among the annuals than the Ricinus. Planted in groups surrounded by Cannas, or along a fence, they impart a tropical appearance, the beauty of which is beyond description; and for solitary plants in the lawn no plant could rival the Zanzibariensis variety. Their regular ornamental growth, with the immense, massive foliage, cut with a mathematical precision, cannot be praised too much.

2110 **Borboniensis arboreus.** Growing to a height of 15 feet, very large and beautiful green foliage. Oz. 15c. Pkt. 5c.

2112 **Cambodgiensis.** Large and richly colored leaves, taking different shades as the plant grows; fine for groups. Oz. 20c. Rkt. 5c.

2114 **Gibsoni.** A dwarf growing sort, with deep red foliage; beautiful plant. Oz. 15c. Pkt. 5c.

2117 **Zanzibariensis Mixed.** The most stately of all; should be used as single plant on a lawn in a position where high winds do not strike it, but where it gets all sun possible. A soil consisting of half well-rotten manure and half loamy sand will result in gigantic plants. Oz. 15c. Pkt. 5c.

2118 **All Sorts Mixed.** Oz. 15c.....Pkt. 5c.

2119 **Collection of the Four Sorts**.....Pkt. 15c.

SALPIGLOSSIS

(Painted Tongue.)

A charming annual; being of easy culture, and producing flowers with wonderful markings throughout the summer; a great favorite with all lovers of flowers. Easily raised from seed.

2130 **Large Flowered Mixed**.....5c.

2135 **Superbissima Mixed.** Very large flowers, splendidly marked, bearing a regular bouquet of magnificent blossoms on its summit, 10c.

SALVIA

(Flowering Sage.)

One of our brightest bedding plants, easily raised from seed sown outside, or started in the house or conservatory, producing its magnificently colored flowers on long, slender stems, in a profusion which sometimes completely covers the plant.

2140 **Patens** (Blue Sage). This is one of the most beautiful blue colors, very deep and clear. Pkt. 15c.

2145 **Splendens** (Scarlet Sage). Bright scarlet; well known. Pkt. 5c.

2146 **Bonfire.** A dwarf and compact growing form of the preceding, commencing to bloom fully four weeks earlier. ¼ oz. 75c. Pkt. 10c.

Solanum Capsicastrum.

SCABIOSA

(Mourning Bride; Sweet Scabious, Pincushion Flower.)

A beautiful annual, growing in almost any soil. The large double flowers are borne on long slender stems, and are of the most magnificent colors. They begin blooming the latter part of July, and continue in the greatest profusion till late in the fall. They make one of the best flowers for vases, and should be in every garden.

LARGE-FLOWERING VARIETIES.

2160 **Double Crimson**.....5c.

2162 **Double Flesh Pink**.....5c.

2164 **Double Purple**.....5c.

2166 **Double Scarlet**.....5c.

2167 **Double White**.....5c.

2168 **Double Mixed Colors**.....5c.

2169 **Collection of the 5 Colors**.....20c.

2175 **Dwarf Double Mixed.** All colors. Oz. 25c. .....5c.

2176 **Caucasica.** A very handsome, hardy perennial of tall growth, with lilac-blue flowers .....10c.

2177 **Alba,** with white flowers.....10c.

SCHIZANTHUS

(Butterfly, or Fringe Flower.)

Salpiglossis.

They are very pretty annuals, having been called "**Poor Man's Orchid.**" They grow very easily from seed sown in spring, and produce their fantastic and beautifully colored flowers in great masses throughout the season.

2190 **Wisetonensis.** Forms bushy plants about 18 inches high, literally covered with small orchid-like flowers, which are on white ground dotted with delicate rose, the upper lip showing a big blotch varying between golden yellow, carmine, rose or brown, 20c.

2198 **Mixed Colors.** A very fine mixture, 5c.

SMILAX

(Myrsiphyllum.)

2210 A beautiful perennial greenhouse climber, much used by florists for decorating; very graceful; of fresh green color, 10c.

SOLANUM

2220 **Capsicastrum** (Jerusalem Cherry). Makes a most desirable pot plant for the winter, with its numerous cherry-like bright red berries. It is of compact, bushy growth; can be sown from February till April in the house, and may either be grown in the open or in pots during the summer, 10 cents.

STEVIA

2230 **Serrata.** Free blooming, white flowers, suitable for cutting. Pkt. 10 cents.

Scabiosa.

SWEET PEAS IN MIXTURE

For Named Varieties of Sweet Peas see Specialty Pages 45 and 46

Our mixtures of Sweet Peas have been prepared by ourselves out of choice named varieties, and will be found of a superior grade. We do not handle any mixtures bought as "Mixtures" from the growers, and which, harvested as such, will always contain the largest proportion of common and undesirable colors.

2476 **Gold Medal Mixtures.** This grade contains nothing but the most desirable varieties of largest flowers, and the colors are most carefully blended to give the best effect possible. Pkt. 5c.; oz. 10c.; ¼ lb. 35c.; 1 lb. $1.00.

2479 **Collection of a packet each of the "18 Gold Medal"** Sorts (see Specialty Page 46), 60c. 1 oz. of each $2.00.

SWEET PEAS MIXTURES IN SEPARATE COLORS

A good many flower lovers desire to grow Sweet Peas in separate shades, and for those we have made the following mixtures, which we believe will meet with the approval of our friends, and be welcomed by those who like to grow the various shades of red, blue, or white, etc., by themselves.

2481 **Lavender and Blue Shades Mixed**
2482 **Maroon and Purple Shades Mixed**
2483 **Pink and Rose Shades Mixed**
2484 **Red and Scarlet Shades Mixed**
2485 **Striped and Picotee Shades Mixed**
2486 **White and Primrose Shades Mixed**

Price—Any of the above 5c. per pkt.; 15c. per oz.; 40c. per ¼ lb.; $1.25 per lb.

2487 **Collection of one ounce each of above colors**.....60c.

Stock "Princess Alice."

BUSH SWEET PEAS

2497 These form a perfect bush 18 inches high. Are suitable for growing in hedges, also nice when grown in clumps by themselves. If the latter method is employed they should be staked.
Mixed Colors: 5c. per pkt.; 10c. per oz.; 25c. per ¼ lb.; 90c. per lb.

CUPID OR DWARF SWEET PEAS

2498 These grow only about 8 inches high and are very effective if planted as edgings. They will bloom very profusely and will make a very striking appearance, they are also very useful for pots.

Mixed Colors: 5c. per pkt.; 10c. per oz.; 30c. per ¼ lb.; $1.00 per lb.

For Named Varieties of Sweet Peas, see Specialty Pages 45 and 46.

SWEET ROCKET

(Hesperis.)

2510 An old-fashioned hardy perennial growing about 3 feet high, with showy white, lilac or purple flowers, sweetly scented. A good subject for the hardy border. Pkt. 5c.

SWEET WILLIAM

(Dianthns Barbatus.)

A very showy hardy biannual, exceedingly effective when planted in borders or beds. They grow about 15 to 18 inches high, bearing on the summit a large tuft of closely set, showy flowers of the richest colors imaginable. An old, well-known favorite.

		Pkt.			Pkt.
2520	**Deep Red**	5c.	2526	**White**	5c.
2522	**Blackish Crimson**	5c.	2528	**Mixed Colors.** A splendid grade. Oz. 25c.	5c.
2524	**Holborn Glory, Mixed**	10c.			
2529	**Collection of the 4 Colors**	20c.			
2530	**Double Mixed Colors.** Oz. 75c.	5c.			

STOCKS

(Gilliflower.)

One of our sweetest annuals and very popular with all lovers of flowers, bearing long stems closely set with large double clove-scented flowers of magnificent colors. May be sown right in the open border or started in the house for earlier blooming.

CUT AND COME AGAIN, TEN-WEEK STOCK.

A perpetual blooming variety which, when sown early in the house, starts to bloom in June and continues to bloom till late in fall; they are of branching habit and undoubtedly most desirable for cut flower purposes.

2240	**Bright Blood Red**	Pkt. 15c.	2245	**Silvery Rose**	Pkt. 15c.
2241	**Cream Yellow**	Pkt. 15c.	2246	**Purple**	Pkt. 15c.
2243	**Delicate Lilac**	Pkt. 15c.	2247	**White (Princess Alice)**	Pkt. 10c.
2248	**Mixed Colors**	Pkt. 10c.	2249	**Collection of the 6 Colors**	Pkt. 60c.

LARGE FLOWERED TEN-WEEK STOCK.

Similar to the preceding, blooming in summer.

2251	**Blood Red**	Pkt. 10c.	2256	**Rose**	Pkt. 10c.
2252	**Canary**	Pkt. 10c.	2257	**White**	Pkt. 10c.
2254	**Light Blue**	Pkt. 10c.	2258	**Mixed Colors**	Pkt. 5c.
2255	**Purple**	Pkt. 10c.	2259	**Collection of the 6 Colors**	45c.

THUNBERGIA
(BLACK-EYED SUSAN.)

2540 A beautiful annual climbing plant much used for vases and baskets, producing their pretty dark-eyed flowers of buff, white or orange in greatest profusion. **Mixed Colors**.....Pkt. 10c.

TORENIA

A pretty little annual, covered the entire season with a mass of bloom, very fine for bedding, in the border, vases or hanging baskets.

2550 **Bailloni,** golden yellow, with chestnut-red throat.....Pkt. 10c.
2551 **Fournieri,** sky-blue, spotted dark, yellow center.....Pkt. 10c.

TRITOMA
(Red-Hot Poker, Flame Flower or Torch Lily)

2555 **Hybrida**.....Pkt. 25c.

MAMMOTH VERBENAS

A great favorite with all, blooming in marvelous profusion during the entire summer, they are also very useful for hanging baskets or window boxes, adding variety of color. We have a very fine strain of the mammoth flowering kind.

2560 **Pink**.....10c.
2562 **Purple**.....10c.
2563 **Scarlet**.....10c.
2564 **Striped**.....10c.
2567 **White**.....10c.
2568 **Mixed Colors**.....5c.
2569 **Collection of the Five Colors**.....35c.
2571 **Compacta Carnea** (see Novelty Page 44), pkt. 25c.
2570 **Lemon Verbena** (Aloysia citriodora). A plant whose leaves are of a delicious fragrance; should be in every garden.....10c.

Verbena, Mammoth.

VINCA
(Madagascar Periwinkle, or Old Maid.)

One of the most satisfactory annual bedding plants, blooming profusely the entire season till frost. They are of very ornamental appearance, their bright, glossy foliage contrasting well with the large, elegant blossoms.

2590 **Rosea.** Rose, dark eye.....10c.
2591 **Alba.** White, red eye.....10c.
2592 **Alba Pura.** Pure white.....10c.
2593 **Mixed Colors**.....10c.

WALL FLOWER

An old favorite with fragrant flowers, blooming late in the fall and elegant for winter flowering in the house or conservatory. May also winter outside under slight protection.

2620 **Single Mixed.** A choice mixture.....5c.
2624 **Extra Early Paris Mixed.** Very early.....10c.
2625 **Double Mixed**.....10c.

Giant Zinnia.

VIOLAS OR TUFTED PANSIES

This Pansy is decidedly distinct from the large flowering, well-known Pansies. The flowers are here not so large and present so far not the variety in color, but they bear their pretty, clear-colored blossoms in such masses throughout the entire summer that they completely cover the ground with a sheet of color.

2600 **Blue Perfection**.....10c.
2601 **Cornuta.** Light blue.....10c.
2604 **White Perfection**.....10c.
2605 **Mixed Colors**.....10c.
2606 **Lutea splendens.** Bright yellow.....10c.
2612 **Odorata semperflorens** (Everblooming Sweet Violet). The well-known favorite.....10c.

Vinca.

ZINNIA
(Youth and Old Age.)

A magnificent annual, known by all lovers of flowers, and without any question the most satisfactory plant for bedding. The flowers are produced in great masses during the entire season and from the time the first flower opens till frost destroys them, they are never out of bloom. The flowers are of various shapes, some looking like an Aster and others again like a Dahlia, and all have a richness and variety of color which is simply astonishing. They should be planted in masses, either in separate colors or in mixture. They will never fail to attract attention. No garden should be without them.

		Pkt.			Pkt.
2640	**Dwarf Double Canary**	5c.	2645	**Dwarf Double Scarlet**	5c.
2642	" " **Jacqueminot**	5c.	2646	" " **Rose**	5c.
2643	" " **Deep crimson**	5c.	2647	" " **White**	5c.
2644	" " **Orange**	5c.	2648	" " **Mixed Colors**	5c.

2649 **Collection of the Six Colors**.....20c.
2658 **Tall Double Mixed.** Oz. 30c.....5c.
2665 **Tall Giant-Flowered Mixed.** A beautiful strain with very large flowers and magnificent colors.....10c.
2668 **Double Fringed Mixed.** The petals of this new strain are deeply cut and fringed, making a very striking color.....10c.
2675 **Single Mixed.** A very effective and artistic flower; very free bloomer and fine for bedding.....5c.

Bulbs and Roots for Summer Blooming

Single Tuberous-rooted Begonias.

BEGONIAS—TUBEROUS ROOTED

Extremely valuable bedding plants for the summer, especially so in a half shady position; bearing in never-ending profusion large, bright-colored flowers. The foliage is also very becoming, some leaves being beautifully marked with thick, silvery veins; some of them are closely covered with tiny little white or red hairs. The enormous size and intense brilliancy of the flowers command greatest admiration. They may be started in the house in pots or boxes and planted outside when the weather is settled, but if planted right outside in May (an earlier time being very dangerous except in the southern States) will also bloom very successfully; a rich soil will produce exceptional vigor.

Single Kinds. Pink, scarlet, white, yellow, 10c. each; $1.00 dozen.
Single Mixed. A fine mixture of above colors. 8c. each; 75c. dozen.
Double Kinds. Pink, scarlet, white, yellow. 15c. each; $1.50 dozen.
Double Mixed. A fine mixture of above colors. 12c. each; $1.25 dozen.

CALADIUM ESCULENTUM

(Elephant's Ear.)

A very ornamental plant, adding a luxuriance to the garden which only tropical plants can give. The leaves attain enormous proportions, oftentimes 2½ feet wide by 4 feet long. They are elegant for solitary clumps in the lawn, where three large bulbs should be planted together. Where they are wanted for borders around Canna beds, etc., it will be advisable to use the smaller bulbs. They like a rich, well-manured soil, and plenty of moisture in their growing period.

Giant Bulbs. 25c. each (by mail 40c.); $2.50 per doz.; $15.00 per 100.
Large Bulbs. 10c. each (by mail 18c.); $1.00 per doz.; $7.50 per 100.
Good Bulbs. 7c. each (by mail 12c.); 75c. per doz.; $5.00 per 100.

AMERICAN AND FRENCH CANNAS

(Indian Shot.)

The Cannas are undoubtedly the queens of all bedding plants for our trying climate; their bold and massive growth, with the large, waving heads of the most brilliant flowers, make a magnificent show. Of the many varieties now in commerce, we have made a selection of twelve, which we believe will answer even the most critical demands. For best results Cannas should be started in the house or conservatory, but good success may also be gained by planting the roots outside the latter part of April or early in May. They delight in a soil which is abundantly mixed with well rotted cow manure.

TWO BEAUTIFUL PRIZE-WINNER CANNAS

Mrs. Carl Kelsey. (6 ft). Foliage green with a narrow edge of purple, and with erect, full heads of enormous flowers, each one wider than this page. Orange-scarlet, flaked and striped with golden yellow; petals wavy edged, We know of no other Canna so marvelously marked—an ornament to any garden. Each 35c.; three for $1.00.

Minnehaha. (3½ ft.) Blossoms are extra large and borne in great clusters; color, shades through gold and cream to a center of peach-blow pink. This beautiful new canna entirely different from any other yet introduced. Bronze foliage. 35c. each; three for $1.00.

TWELVE SELECTED CANNAS

Burbank. (5 ft.) Green foliage. The flowers gigantic in size, petals show fine crimson spots, the rest of the flower a most beautiful rich canary-yellow.
Patrie. A grand dwarf kind; brilliant crimson with scarlet shading; green foliage; three feet.
David Harum. A grand variety; bright, deep vermillion; bronze foliage; three and one-half feet.
King Humbert. Four feet. Bronze foliage, flowers brilliant orange scarlet with bright red markings. One of the finest Cannas now on the market. Each 15c.; dozen $1.50.
Queen of Holland. (3 ft.) Foliage very dark green, edged with bronze. Flowers deep, rich orange.
President McKinley. Very large, broad petaled flower, soft glowing red; green foliage; 2½ feet.
Black Beauty. This is the most beautiful of the dark-leaved Cannas. The foliage is very massive, curled at the edges, and of a very intense, rich bronzy-purple color, growing five to six feet high. Each 15c.; dozen $1.50.
Mrs. Kate Gray. The strongest growing sort of the set; very broad, dark green foliage, with extra large trusses of rich, orange scarlet flowers overlaid with gold, standing high above the foliage; five to six feet.
Mount Etna. (4 ft.) Magnificent dark purple foliage; large, bold, erect trusses; flowers intense brilliant crimson.
Queen Charlotte. Intense crimson scarlet with broad yellow border; very free flowering; green foliage; the finest bedder; three and one-half feet.
William Saunders. (4 ft.) Foliage rich bronze. The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet, lightly dappled with crimson. Each 25c.; dozen $2.25.
Mont Blanc. This is the finest White Canna in the market. The flowers are large, well shaped, and produced very profusely in broad clusters. Green foliage. Each 25c.; dozen $2.25.
Price: Any of the above (except where noted) each 10c.; per dozen $1.00.

Canna "Queen Charlotte"

CINNAMON VINE (Dioscoreas Batatas)

A very rapid growing climber with bright, deep green, heart-shaped foliage, grows to a height of from 25 to 30 feet. The little white flowers have the same fragrance as cinnamon, whence its name. each 5c.; dozen 50c.

DAHLIAS

We have been frequently asked by our customers when we advise planting Dahlias. There is a diversity of opinion as to the proper time to plant, but we find better results are obtained from early planting. Roots should be planted at least ten days before danger from frost is over, as it takes from two to three weeks for them to appear above the ground.

SIX "PRIZE-WINNER" DAHLIAS

Delice. The finest Pink Decorative Dahlia yet in introduced. The color is of a pleasing shade of rose-pink suffused with lavender-pink, perfect in form and habit and invaluable for cutting. This variety should appeal to every lover of flowers on account of its delicate color. Each 35c.; dozen $3.50.

Master Carl. One of the largest Cactus Dahlias of recent introduction. Their gigantic flowers of a bright amber color are produced in the utmost profusion on long stems well above the foliage. Each 25c.; dozen $2.50.

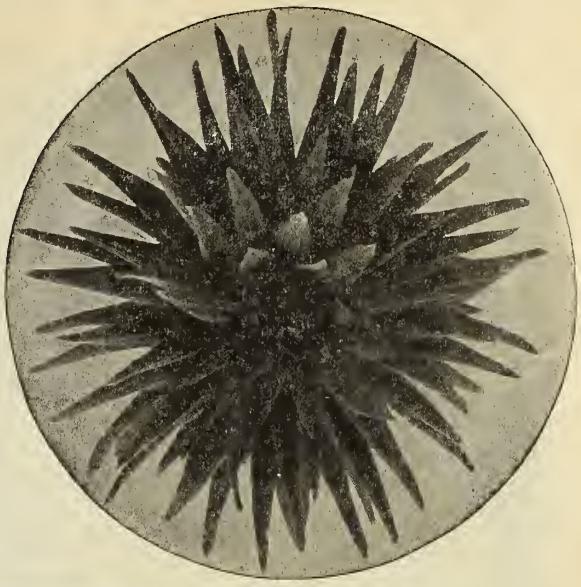
Paul Krueger. One of newest of the Paeony-flowered Dahlias. Color of a purplish-violet hue. This variety should be most pleasing on account of its unique petal formations and colorings. Each 25c.; dozen $2.50.

Kaiserin Augusta Victoria. The most beautiful white Decorative Dahlias yet introduced. This variety grows about 30 inches; of strong, erect growth, producing blooms in perfect profusion, on erect, stout stems well above the foliage. Each 25c.; dozen $2.50.

Big Chief. Brilliant cherry-red, edged velvety maroon, producing very large flowers on long stems well above the foliage. A very valuable new introduction to Single Dahlias. Each 20c.; dozen $2.00.

Exposition de Lyon. This we consider one of the most beautiful of the French Collarette Dahlias. Color a rich garnet, with yellow collarette. The illustration gives a better idea of the curious formation of the flower than any description could give. Each, 15c.; dozen $1.50.

A collection of one of each of the above six varieties, $1.15 postpaid.



Master Carl

Exposition de Lyon

SIX STANDARD SINGLE DAHLIAS

Alba Superba. As the name would suggest, this is the grandest pure snow-white single Dahlia ever produced. The flowers are of finest regular form and produced freely on long stems.

Ami Barrillet. Flowers richest garnet, with rich purplish maroon foliage.

Gold Standard. Pure deep yellow, large size, very free and continuous bloomer.

John Downie. Intense glowing crimson scarlet, a magnificent color; very free flowering.

Juno. Very large; white, slightly suffused and topped with pink.

Wildfire. The purest, richest scarlet.

Price: Any of the above each 15c.; dozen $1.50; the set of six for 75c.

Grand Duke Alexis.

TWELVE SPLENDID DECORATIVE DAHLIAS

Admiral Dewey. Brilliant imperial purple; finest form.

Clifford W. Brutou. The finest canary yellow; of immense size and perfect form; strong grower and free bloomer.

Flora. One of the best. Pure White, without a shade or blemish, with broad petals. The flowers are very large, measuring from 6 to 7 inches in diameter, and are always perfect.

Grand Duke Alexis. A very large flower, of very distinct and unique form; pure white, tinged with delicate pink.

Henry Patrick. Pure white; large size with long stem.

John Elitch. Deep, rich red; large and of perfect form.

Lyndhurst. One of the best bright scarlets, invaluable for cutting; large, perfectly full centers with long stems.

Nymphaea. Of medium size; clear and distinct shrimp-pink; very free bloomer; one of the most beautiful Dahlias.

Oban. Very large, rosy lavender, overlaid delicate silvery fawn.

Salmon Queen. Very large; beautiful, soft salmon.

Sylvia. Best described as a giant Nymphæa. Flowers 4 to 6 inches in diameter; of fine form and full to the center, which is white, shaded to soft pink on the outer petals.

Yellow Le Colosse. A very large bright yellow; perfect form, with full center.

Price: Any of the above, each 15c.; dozen $1.50; the set of 12 for $1.25.

DAHLIAS

TWELVE GRAND CACTUS DAHLIAS

Burbank. Very rich, brilliant dazzling red.

Countess of Lonsdale. A beautiful blending of salmon pink and amber; perfect form; the most profuse and earliest blooming Cactus Dahlia.

Floradora. Dark velvety crimson, branching habit and profuse bloomer.

H. F. Robertson. Pure deep yellow; more intense in color than any other cactus variety.

Hohenzollern. A rich combination of gold and bronzy orange-red. Fine form.

J. H. Jackson. The largest and finest of the deep, rich, velvety maroon. Flowers very large and fine form.

Kriemhilde. Fresh, delicate pink, shading to white in the center; very profuse bloomer; the most beautiful of the Cactus Dahlias.

Keynes White. A most beautiful pure white.

Winsome. An exquisite creamy white, of large size and finely twisted.

Rosine. A pleasing shade of rose of a dwarf branching habit, producing flowers from 5 to 7 in. in diameter.

Mrs. H. J. Jones. By far the most valuable of this favorite type; the flowers are perfectly full to the center, of finest cactus form, with long, narrow,twisted, pointed petals. In color the incurved portion of the petals are deep crimson; the broad stripe of white running through the center of the petals extends almost to the center, where it blends harmoniously with the deep crimson.

Standard Bearer. Rich, fiery scarlet; very free blooming and exceptionally early.

Strahlen-Krone. Intense cardinal red, rich and glowing; long twisted petals.

Price: Any of the above, each 20c.; per dozen $2.00.

TWELVE SELECTED POMPON DAHLIAS

Allie Mourey. White, flushed pink; fine.

Catherine. The best pure yellow; fine form.

Red Indian. Deep coral red.

Fairy Queen. Sulphur yellow, edged deep peach.

Snow Clad. Pure white; a great favorite.

Little Herman. Scarlet, tipped and mottled white.

Klein Domitea. Salmon-buff; very profuse.

Vivid. Intense vivid scarlet; fine form.

Little Beauty. Delicate shrimp-pink; full, round form, quilled petals.

Guiding Star. Pure white; a great favorite.

Sunshine. Brilliant scarlet. Fine form, full center.

Splendens Imbricata. Very bright red; fine form.

Price: Any of the above, each 15c.; per dozen $1.50.

PAEONY-FLOWERED DAHLIAS

Germania. Wine color, dark velvet, shaded with yellow.

Herzog Heinrich. Color a beautiful bright red; artistically twisted petals, making a most exquisite flower.

Queen Wilhelmina. Immense fluffy flowers of pure white, with yellow center.

King Leopold. Creamy white, splashed and striped with yellow.

Sour De Franz Liszt. Color a deep, rich garnet. It is a strong, vigorous grower and a profuse bloomer.

Price: Any of the above, each 20c.; per dozen $2.00.

TWELVE SUPERB SHOW DAHLIAS

A. D. Livoni. Beautiful soft pink; quilled petals.

Chas. Lanier. Very large, yellow amber, shaded buff.

Duchesse of York. Very distinct and pleasing. Large, lemon, tipped salmon pink.

Camellia Flora. Pure white.

John Thorpe. Very large; soft rich pink. Very fine form.

Miss Dodd. Pure yellow; very large.

Paul's Scarlet. Brightest scarlet.

Queen Victoria. Deep yellow, finely quilled.

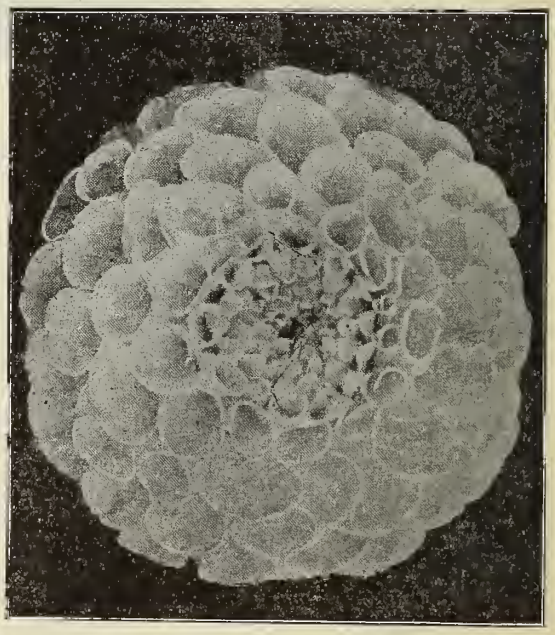
White Swan. Snow white, of beautiful form, with long stems.

Willie Garrett. Richest crimson-scarlet; perfect form; profuse bloomer.

Storm King. The most beautiful white show Dahlia, very early.

Lemon Beauty. A most beautiful lemon-yellow.

Price: Any of the above, each 15c.; per dozen $1.50; the set of 12 varieties for $1.50.



Show Dahlia "White Swan"

THE DAHLIA

Copiously and elegantly illustrated by an expert, 40 cents postpaid

GLOXIANA

Undoubtedly one of the most beautiful pot plants for the house. The large velvety leaves form a most striking plant, and when the immense long bell-shaped flowers are open and show their soft and glowing colors, we have a plant whose beauty is unique and without rival. They should be grown indors and protected from the sun. (See cut under Gloxinia Seed, page 55.)

Strong Flowering Bulbs. Each 15c.; per dozen $1.50; per 100, $10.00.

GLADIOLI

These have now so many admirers that a garden however small, is not complete without them. The improvements which have been made during the last years have been marvelous and baffle description. The flowers have become so large and the markings so bold and so various that we look in vain for anything to equal them. They may be planted in masses in beds by themselves or scattered among low shrubbery, rosebeds, etc., and when planted at intervals of about 14 days, will give a long succession of bloom. The bulbs may be lifted in the fall after the first frost, stored away during the winter in a frost-free place in the cellar for next year's use.

THREE MAGNIFICENT NEW GLADIOLI

If Gladioli are wanted by mail, add 10 cents per dozen for postage.

Reine Blanche.—(Barre). Very strong grower, one bulb often producing 2 or 3 flower stems. With the exception of a very small purple streak at the bottom of the throat, the flower is of a perfectly pure white color, turning into fleshy white towards the end of the flowering stage. It is decidedly one of the best white Gladioli. Each 30c.; 3 for 80c.; per dozen $3.00.

Wild Rose. A remarkable variety and one that will gain in prestige as it becomes known for it ranks with the very best. Color very bright rose or blush tint, exceedingly delicate and pretty, and needs only to be seen to be appreciated. Each 25c.; 3 for 65c.; per dozen $2.50.

Sulphur King. This is the most valuable yellow variety yet introduced. It produces a very long spike of the clearest sulphur yellow flowers yet seen in any Gladiolus. Each 30c.; 3 for 75c.; per dozen $2.75.

One of each of above, 70c.

FINE NAMED GLADIOLI

If wanted by mail, add 10c. per dozen for postage.

Blanche. Large, snow white, faintly marked soft rose. Each 25c.; per dozen $2.50.

Brilliant. Beautiful orange-red, with carmine and white throat. Each 8c.; per dozen 85c.

Augusta. White, spotted with purplish rose. Each 6c. per dozen 60c.

Cardinal. Intense cardinal scarlet; most beautiful. Each 20c.; per dozen $2.00.

Grandessc. Very large, well-opened flowers; petals fleshy white, slightly suffused with fresh lilac. Carmine blotch. Each 10c.; per dozen $1.00.

Glory of Brightwood. Scarlet, with lemon throat. Each 8c.; per dozen 75c.

Henry Gilman. Deep salmon scarlet with pure white bands. Each 8c.; per dozen 80c.

Isaac Buchanan. Very fine yellow. Each 10c.; dozen $1.00.

LaMarck. Cherry tinted with orange, blazed with red, pure white satin center. Each 8c.; per dozen 80c.;

Madame Monneret. Delicate rose. Each 6c.; per dozen 60 cents.

Baron Hulot. The finest blue Gladiolus and a very valuable addition to this list. Each 15c.; per dozen $1.50.

May. Lovely white, flaked rosy crimson. Each 5c; per dozen 50c.

Klondyke. Light yellow, with crimson maroon blotch. Each 6c.; per dozen 60c.

Mrs. Beecher. Brilliant crimson, scarlet with white throat. Each 12c.; per dozen $1.25.

Nezinscott. Bright blood scarlet, with deep velvety crimson blotches and white mottling in throat. Each 12c.; per dozen $1.25.

Rosella. Large, well-opened flowers, light rose, stained purple and white. Each 10c.; per dozen $1.00.

Shakespeare. White, suffused crimson rose, large rosy blotch. Each 10c.; per dozen $1.00.

Wm. Falconer. The best light pink. Each 10c.; per dozen $1.00.

One each of above 18 Fine Named Kinds, $1.50 and three each for $3.75.

Gladiolus.

MIXTURES OF GLADIOLI

If wanted by mail, add 10c. per dozen for postage.

Gandavensis Mixed. A good cheap mixture. Per doz. 25c.; per 100 $1.75; per 1,000 $13.50.

Giant Mixed. Large flowers with beautiful markings. Per dozen 40c.; per 100 $2.75; per 1,000 $20.00.

Groff's Hybrids. A very fine mixture of beautiful colors. Per dozen 30c.; per 100 $2.25; per 1,000 $20.00.

Lemoine's Butterfly Mixture. A very fine mixture of richest colors. Per doz. 30c.; per 100 $2.00; per 1,000 $18.00.

Pink Mixture. Per doz. 30c.; per 100 $2.00; per 1,000 $18.00.

Purple Mixture. Per dozen $1.00; per 100 $8.00; per 1,000 $65.00.

Scarlet and Crimson. Per dozen 25c.; per 100 $1.50; per 1,000 $13.00.

Striped and Variegated. Per dozen 40c.; per 100 $3.00; per 1,000 $27.50.

White and Light. Per dozen 40c.; per 100 $3.50; per 1,000 $30.00.

Yellow and Orange. Per dozen 60c.; per 100 $4.25; per 1,000 $38.00.

HYACINTHUS CANDICANS

(Summer Blooming Hyacinth)

Grow about 4 feet high, with large bell-shaped, pure white flowers, contrasting well with other summer blooming plants; should be in every garden. Each 5c.; per dozen 50c.

HARDY GARDEN LILIES

Lilium Auratum.

A garden without a few Lilies is not complete. Their beauty of form, stately habit and sweet fragrance is unequaled by any other class of plants, and by planting a few of each of those which we name in our collection, a continuous and unbroken succession of bloom may be had until autumn. There are few plants for outdoor growing which possess so many charms. Their bold and striking flowers and their easy culture render them so indispensable that no collection should be without them. They are excellent to be planted in groups among low shrubbery, rosebeds, etc.

They should be planted in any good garden soil, preferably sandy loam, about 6 to 8 inches deep.

Auratum (Golden Banded Lily). One of the finest; very large, pure white, fragant flowers, studded with dark crimson spots, while through the center of the petals runs a broad, clear yellow band; height 4 feet; blooms in July. Good strong bulbs 20c. each; $2.00 per dozen.

Speciosum Album. A beautiful kind and easily grown. Flowers are pure white, spreading, fine for groups; blooms in August. Good strong bulbs 20c. each; $2.00 per dozen.

Giganteum. A splendid species of gigantic growth and very distinct; the stems grow 6 to 10 feet high, and frequently bear 12 to 20 large flowers 5 to 6 inches long; color creamy white with purple throat. Good strong bulbs 20c. each; $2.00 per dozen.

Speciosum Rubrum. Same as above, shaded deep rose and spotted red. Good strong bulbs 20c. each; $2.00 per dozen.

Tigrinum (Tiger Lily). Orange, spotted black, 2 to 4 ft; blooms in August. Each 15c. per dozen $1.25.

Tigrinum fl. pl. (Double Tiger Lily). Same as above, but double flowers. Each 15c; per dozen $1.25.

MADEIRA VINE

(Mignonette Vine.)

A very rapid growing climber with heart-shaped light green leathery foliage and fragrant feathery flowers, looking very much like sprays of Mignonette. It is one of the best vines for covering porches and trellises, growing 15 to 20 feet high and keeping remarkably free from insects; not quite hardy, should be protected during the winter. Strong roots: 2 for 10c.; 35c. per dozen. If wanted by mail, add 10c. per dozen for postage.

MONTBRETIA

This might very appropriately be described a miniature branching Gladiolus with star-like flowers. Indeed, they are charming plants, forming dense bushes of grass-like foliage and produce during the entire summer innumerable graceful flower spikes 12 to 18 inches long, full of bright, star-like orange and red-colored flowers. Fine mixed verieties. Dozen 30c.; per 100 $2.25. If wanted by mail add 5c. per dozen for postage.

Double Tuberose.

TUBEROSES

Excelsior Pearl. This variety is much superior to the common double Tuberose, being of decidedly dwarfer growth, with larger flowers sitting closely around the stem. The flowers are waxy white, 1½ to 2 inches across, of a delicious odor. If the bulbs are planted in the garden in May in rich soil and in a sunny position, they are certain to bloom the latter part of August. If they are wanted before that time they should be started earlier in pots in the house, removing them to the open when warm enough in May. Three for 10c.; dozen 25c.; per 100 $1.75. If wanted by mail add 15c. per dozen for postage.

OUR FLOWER SEED

Is in every way the highest grade that can be procured, and we are satisfied that better qualities cannot be bought at any price.

Give us a Trial.

OXALIS

Very valuable for edging borders of walks or flowerbeds, and when planted 3 inches apart will produce an unbroken row of elegant foliage and pretty flowers. They bloom very quickly after planting, and will continue to do so the whole season. They are very easily grown, getting the bulbs into the ground being the only work necessary.

Deppei Pure white, very fine. Per dozen 10c.; per 100 60c.

Lasiandra. Fine, rosy pink, beautiful cut foliage. Doz. 10c; per 100 60c.

TIGRIDIA

(Shellflower or Tiger Flower)

A magnificent class of summer-blooming bulbs, producing very large, gorgeous flowers exquisitely spotted in great abundance. They grow about 18 inches high and should be lifted in the fall and wintered on a frost-free shelving, to be used again the next summer. Don't fail to have these beautiful flowers in your garden.

Canariensis. Yellow.

Cinchiflora. Yellow, spotted orange.

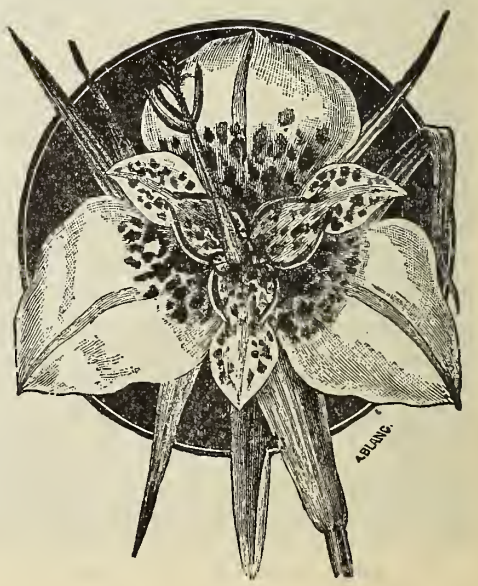
Grand Alba. White, purple spot.

Immaculate Alba. White.

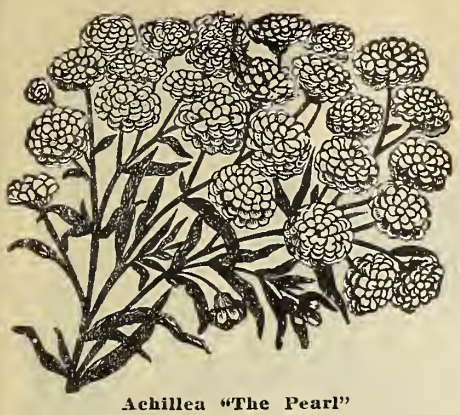
Pavonia. Red.

Rosea. Very beautiful pink.

Mixed Colors. A very fine mixture. Any of the above 5c. each; 50c. doz.



Tigridia.



Achillea "The Pearl"

Philipps' Hardy Perennial Plants

HARDY PERENNIAL PLANTS ARE EASILY RAISED FROM SEED. TRY IT

The usefulness of these "Old-fashioned Hardy Garden Plants" is more recognized every day, and they now rank first as showy garden plants. Immense quantities are now planted by parks, cemeteries and private estates, grouped for masses for effect or as single plants in the border. There is nothing among flowers which will give such universal satisfaction, and of the vast amount we have made a small selection which we are sure will suit everyone. If planted once their beauty will increase from year to year and they will be a permanent pleasure.

The varieties we offer have proven, through years of experience, a perfect success, and if planted early will give very much finer and more flowers than when planted in warm weather.

Price: Any kind except where noted, 15c. each; $1.50 per dozen.

☞All plants will be sent by express at purchaser's expense, the roots being carefully wrapped in damp moss unless we are instructed to send otherwise. Single plants will be sent by mail at our expense, the soil being removed.

ACHILLEA

Ptarmica fl. pl. "The Pearl'," for description, see under "Flower Seed," page 47.

ASTERS, HARDY

Showy, late-flowering, hardy plants, bloom in September and October. Colors: White, lavender and purple.

ARABIS

(Rock Cress)

Alpina, one of the very earliest flowering perennials. For description, see under "Fower Seed," page 48.

AQUILEGIA (Columbine)

Coerulea (Rocky Mountain Columbine), deep blue and white, one of the best.

BLEEDING HEART

Dielytra Spectabilis. These are pretty spring bloomers, with graceful, drooping sprays of heart-shaped pink and white flowers; very ornamental and bloom freely throughout the season. Bleeding Heart is one of the comparatively few plants which do well in shady spots. Are quite hardy and increase in size from year to year. Each 25c.; dozen $2.50.

CAMPANULA

(Bell Flower)

For description and illustration, see under "Flower Seed," page 51.

Medium Single Flowering. Blue.

Medium Double Flowering. Blue.

CHRYSANTHEMUM

(Moonpenny Daisy)

For description and illustration, see under "Flower Seed," page 52.

Maximum. Large, pure white.

Shasta Daisy. A giant, pure white flower.

COREOPSIS

Lanceolata grandiflora. For description, see under "Flower Seed," page 53.

DELPHINIUM

(Hardy Larkspur)

For description and illustration, see under "Flower Seed," page 54.

Formosum. Beautiful blue.

DIANTHUS (Pinks)

Pumarius (Pheasant-Eye Pink). A beautiful, hardy variety with fringed petals.

Semperflorens Double Mixed. An ever-blooming, hardy sort, very sweetly scented.

DIGITALIS

(Foxglove)

For description and illustration, see under "Flower Seed," page 54.

Purpurea Mixed. Different colors.

EUPATORIUM

(Thorough-wort)

Fraseri. For description, see under "Flower Seeds," page 55.

GYPSOPHILA

Paniculata (Baby's Breath). For description, see under "Flower Seeds," page 55.

GAILLARDIA

(Blanket Flower)

For description and illustration, see under "Flower Seed," page 55c.

Grandiflora. Large, stocky plants.

HELIANTHUS

(Sunflower)

Perennial Mixed Varieties. A mixture of fine single flowering hardy kinds.

HELIOPSIS (Orange Sunflower)

Pitcheriana. For description, see under "Flower Seeds," page 56.

HOLLYHOCK

For description and illustration, see under "Flower Seed," page 56. Nice, strong, double-flowering plants. Colors: Crimson, yellow, maroon, pink, rose and white.

IRIS

German Iris (Iris Germanica). A most beautiful and perfectly hardy spring flowering plant. They thrive anywhere, grow and bloom luxuriantly, and are especially useful on edges of water. Well established plants, will often produce more than 50 spikes of blossoms. Their colors range through yellow, purple, blue and white. Mixed colors. Each 15c.; per dozen $1.50.

Japanese Iris (Iris Kaempferi). The beauty of these magnificent flowers baffles description. Flowers, 8 to 10 inches across are by no means rare, their colors varying in any shade of claret, purple, crimson, rose, lilac and white, usually having a golden yellow blotch, surrounded by a halo of blue at the base of each petal. They are perfectly hardy, growing in any soil, but will attain their greatest perfection if liberally supplied with water while growing and flowering. We have six distinct colors. Each 25c.; per dozen $2.50.

IBERIS (Candytuft)

Sempervirens. (Hardy Candytuft). Hardy perennial, being literally covered with its pure white blossoms in early spring. An excellent plant for edging or rockery.

LAVENDULA (Lavender)

Vera. a sweet-scented, hardy perennial, of delicious fragrance; an old-fashioned plant; should be in every garden.

LICHNIS

Chalcedonica (Jerusalem Cross). For description, see under "Flower Seed," page 57.

LILY OF THE VALLEY

Lily-of-the-Valley. Strong clumps. These cannot be used for forcing, but are fine for outdoor planting. Each 25c.; per dozen $2.50. These can only be sent by express at buyer's expense.

LUPINUS (Lupine)

Polphyllus. An effective plant, producing large spikes of blue flowers. These plants bloom from about the 20th of May for three weeks and grow about 3 feet high. Being perfectly hardy and free from attacks of insects, they are especially valuable. They require only well-prepared garden soil and to be kept watered in dry weather, which should always be done if possible late in the afternoon.

PENTSTEMON (Beard-Tongue)

One of our best hardy perennials, of stately appearance, with large, gloxinia-like flowers of various colors; fine for planting in masses.

HARDY POPPIES

Nudicaule Mixed. For description, see under "Flower Seed," page 62.
Oriental. For description, see under "Flower Seed," page 62.

PLATYCODON

(Chinese Bell Flower)

Grandiflorum. Large blue flower. For description see under "Flower Seed," page 62.

Iris Kaempferi (Japanese)

PAEONIES

They are without any rival in popular favor, and to them belongs the first place of all the hardy perennial plants. Their large, gorgeous flowers, borne in abundance on the strong, long stems, with the beautiful, dark green, glossy foliage, add a wealth of color to our garden, which not even roses can give. Their culture is so simple, any good rich soil worked thoroughly will answer, be it in the open sun or a partially shaded position. A generous mulching of well rotted manure during their growing period, and a liberal supply of water, will produce wonderful effects; their flowers will be larger and of more intense color, and their foliage and whole growth much more luxuriant. They are perfectly hardy even in the most severe climate, and very rarely troubled with insect pests or disease of any kind, and once planted will increase in beauty each year without any further care.

Double Paeony.

We supply Paeonies in the following colors:

Dark Red, Red, Pink, White.

Price: Strong roots, 25c. each; $2.50 per dozen.
Price: Named varieties, 50c., 75c. and $1.00 each.

HARDY PHLOX

Another class of hardy herbaceous plants, who rank foremost in beauty and usefulness in the hardy border and should be in every garden. They succeed well in almost any kind of soil or position and are in bloom nearly the entire summer. Their range of color is remarkable; they vary in all shades of white, pink, rose, scarlet, crimson and purple, and the large flower heads, forming a beautiful bouquet by themselves, are borne on long, wiry stems, and if grown in clumps of a dozen or more, will make one of the most glorious sights in the garden. They are perfectly hardy and will increase in beauty each year. (See illustration under "Flower Seed," page 62.)

TALL.

Bridesmaid. White, with carmine center.
Esclarmonde. Lilac, with white.
Inspector Peiker. Purplish mauve.
Mozart. White, with salmon.
Pantheon. Bright carmine rose.
Selma. Rose mauve, red eye.

DWARF.

Beranger. White, with pink.
Champs Elysee. Rose magenta.
Cyclon. White, with lilac.
LaVague. Mauve with red eye.
Sunshine. Aniline red.
Thebaide. Carmine, with red eye.

15 cents each, 6 for 75 cents.

RUDBECKIA

(Cone Flower)

Golden Glow. A gorgeous plant, one of the showiest in existence; a strong, robust grower, 5 to 6 feet high, with large, double, golden, cactus-like flowers, blooming from July to October. Should be in every garden, fine for massing.

SWEET WILLIAM

Dianthus Barbatus. For description and varieties, see under "Flower Seed," page 64.

YUCCA FILAMENTOSA

Adam's Needle. A tropical looking plant, with long, sword-like leaves, that remain green the year round; flower stems 3 to 4 feet high, bearing a large spike of creamy-white bell-shaped flowers. A fine plant for cemetery, lawns, background of beds and borders, as it is perfectly hardy. Goods roots. Each 25c.; dozen $2.50.

Selected Hardy Roses

We are listing a condensed selection of Roses, which we believe to be the best and most satisfactory for our climate. They are all extra heavy two-year-old stock and are sure to bloom abundantly the first season. This stock we can recommend with greatest confidence. Some of the roses we can furnish in small plants which can be sent by mail; they will invariably produce a few flowers the first season, but we cannot recommend them to give the same satisfaction as our heavy two-year-old stock.

Baby Rambler Rose.

THE NEW DWARF EVER-BLOOMING BEDDING ROSES OR BABY RAMBLERS

Of all new Roses of the latter years there has been none which fulfilled all predictions and glowing descriptions in such a measure as these new wonderful Roses. They grow about 18 inches high and produce large clusters of bright flowers in a phenomenal profusion throughout the entire summer. Foliage is of a glossy green, very handsome, and is not attacked by insects. They are perfectly hardy and as a pot rose will bloom all the year round, and we recommend them strongly to all lovers of flowers, be it for pots for winter-blooming, for groups in the lawn or for the cemetery.

Crimson Baby Rambler (Mme. Norbert Levavasseur). Crimson flowers, similar to the popular Climbing Crimson Rambler.

Pink Baby Rambler (Anchen Muller). Brilliant luminous pink; a shade that is always admired.

White Baby Rambler (Katherina Zeimet). Pure white flowers, showing the yellow stamens very prettily, produced in large candelabra-shaped trusses.

Yellow Baby Rambler (Eugenie Lamesch). Beautiful copper yellow, with carmine edges, fine for color effects.

Extra strong two-year-old plants, 35c. each; $3.50 per doz.

MOSS ROSES

These Roses are charming in bud form and very much admired. The bud is covered with a delicate mossy growth, giving the opening flower a beautiful and unique appearance.

Blanche Moreau. Lovely pure white, large and double.

Crested Moss. Light rose, elegantly crested.

Glory of Mosses. Beautiful carmine, large flower.

Extra strong two-year-old plants, 25c. each; $2.50 per dozen.

HARDY CLIMBING ROSES

It seems needless to say anything about these most charming and useful roses, which are now so largely used to beautify porches or to cover fences. After once established they grow very vigorously and shoots of 15 feet are by no means scarce. When in bloom they are a sight to behold; thousands of roses are clustered together in bunches and seem to smother the plants. Too much cannot be said about them and no glowing description can do them justice. They should be in every garden.

Crimson Rambler. This is the best and most free flowering of the set; deep crimson.

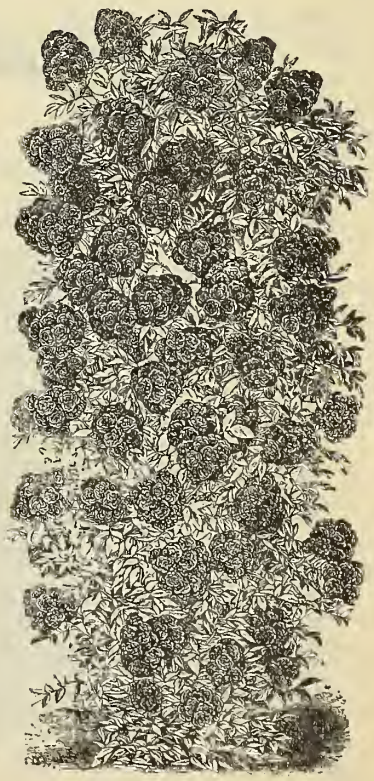
Pink Rambler. Light pink.

White Rambler (Thalia). Not as free in bloom, but good.

Yellow Rambler (Aglaia). Large yellow flowers.

Dorothy Perkins. Soft shell pink, free flowering large clusters.

Strong two-year-old plants, 35c. each; $3.50 per dozen.
Small plants, by mail, 12c. each; $1.20 per dozen.



Crimson Rambler Rose.

Our Collection of Spencer Sweet Peas

CONTAINS SEVEN OF THE MOST BEAUTIFUL SPENCERS OF RECENT INTRODUCTION, AND IS MAILED AT 65 CENTS PER COLLECTION OF ONE PACKET EACH, AND AT $2.75 PER COLLECTION OF ONE OUNCE OF EACH

General Jacqueminot.

TWELVE BEST EVER-BLOOMING ROSES

These are very carefully selected from a class of Roses blooming continually during the summer. They are all good strong growers, profuse bloomers and fine for bedding; should be slightly protected during the winter.

Mme. Ravary. Orange yellow, a most beautiful color.

Caroline Testout. Very double, of charming globular shape; bright satin rose, brighter in the center; very sweet, good grower and free bloomer.

***Clotilde Soupert.** A very beautiful rose, being in bloom continuously from June till frost. It is the freest flowering rose, producing large clusters of perfectly double, medium-sized flowers of white tinted with pink in the center.

Gruss an Teplitz. Flowers large, of a rich scarlet shading to crimson as they get older. The best ever-blooming red rose, excellently suited for planting in masses. It is very fragrant, of strong growth, and fairly covered with flowers the entire season. Should be in every collection. (Small plants, postpaid, 15c.)

***Hermosa.** An old variety and still one of the best; covered with deep rose, large flowers the whole season. It is a fine rose for bedding or for pots; of strong growth and clear dark green foliage.

***Kaiserin Augusta Victoria.** An ideal flower, very large and double; of a creamy white, slightly tinged with yellow in the center, and of an exquisite odor. The flowers are produced freely and borne on long, graceful stems; a strong grower with beautiful foliage.

***La France.** One of the most beautiful for shape of flower, color and fragrance. The flowers are large, of a silvery pink, the petals are gracefully curled back at the edges and delightfully scented.

Maman Cochet. Large, deep, rose-pink flowers produced in greatest profusion on long, stiff stems throughout the season; very double and a good, strong grower.

Lady Ashtown. Very pale rose, shading to yellow at base of petals, large, full and pointed.

***Papa Gontier.** Dark, crimson red with a long pointed bud, especially nice in the fall; beautiful for cutting.

***Perle des Jardins,** of magnificent form and delightful fragrance; good, strong grower with dark red foliage when young, and large, deep yellow flower.

Souvenir du President Carnot. A magnificent rose of perfect form and beautiful, soft, rosy-flesh color, shading to white at the edges, deliciously scented. An extra strong grower with fine foliage.

Price: Extra strong two-year-old plants, 25c. each; $2.50 per dozen.

Small Plants can be supplied of all those varieties marked with a * postpaid for 10 cents apiece.

Twelve Best Hardy Garden Roses

This selection of perfectly hardy roses is specially recommended to those who have not the time to bother much with protecting them. Once planted and established they will take care of themselves. They are not as prolific in the production of flowers as those of the "everblooming" class, and while their main crop of blossoms is in June, they will still produce some fine flowers during the summer and autumn.

***Anna de Diesbach.** A large and full flower of a clear, bright carmine, very fragrant.

***Baron de Bonstettin,** one of the darkest, almost black, very large and double; fragrant.

Crested Moss (See previous page).

Baronesse de Rothschild. A magnificent cup-shaped flower, clear satiny-pink.

Captain Christy. A fine, superbly shaped flower, petals slightly curled back at the edges, soft, fleshy-pink, very sweet. A good bloomer.

Frau Karl Druschki. The finest white rose in existence. Large, perfect flowers of snowy white, with large shell-shaped petals, making a most magnificent flower. A very strong and healthy grower. Strong two-year-old plants 35c. each; $3.75 per dozen.

***General Jacqueminot.** The old well-known favorite; large, dark crimson flower, very sweetly scented.

***Jules Margottin.** Large cup-shaped flower, very full and fragrant, bright carmine, beautiful.

Mabel Morrison. A large, pure white, cup-shaped flower, very vigorous, a fine companion to Baronesse de Rothschild.

***Magna Charta,** a beautiful, strong growing rose, with large, bright pink flowers suffused with carmine.

***Mrs. John Laing.** Very fragrant, free blooming kind, large flower of a pleasing soft pink.

Marie Bauman. A superb flower, perfect in form, delightfully scented, of a deep bright crimson.

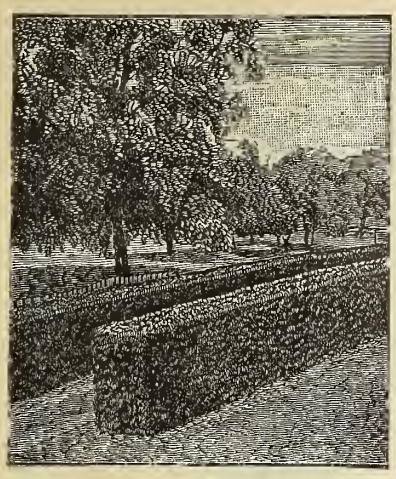
***Prince Camille de Rohan.** The darkest of all, deep velvety maroon, very sweet, large flower.

***Ulrich Brunner,** undoubtedly one of the finest largest roses, of delicious odor, flowers full, of a bright cerise.

Price: Extra strong two-year-old plants, 25c. each; $2.50 per doz.

Small Plants can be supplied of all those varieties marked with a * postpaid for 12c. apiece.

Magna Charta.



A Well-Kept Hedge.

Hedge Plants

Besides being attractive hedges are also useful for bordering gardens, giving a privacy which cannot be attained with anything else, and in the long run they are cheaper than fences, getting better and stronger year after year.

Arbor Vitae (Thuja occidentalis), a beautiful, hardy evergreen, elegantly adapted for hedges, absolutely hardy.

Small Seedlings, 8 to 12 inches high, per 100 $1.75, per 1,000 $12.00.

Small Seedlings, 12 to 18 inches high, per 100 $2.25, per 1,000 $15.00.

California Privet. A very popular hedge plant with rich, dark green foliage, of quick growth, succeeding under almost any condition.

Plants, 18 to 24 inches high, $3.50 per 100, $30.00 per 1,000.

A Few Selected Hardy Shrubs

All our shrubs are large and heavy nursery-grown plants and sure to give immediate results. They are ready for shipment about the middle of March and will be shipped at that time on all orders received prior to the 15th day of March. They can only be sent by express or freight.

Althea (Rose of Sharon). Strong plants. 50c. each.

Azalea Mollis. A beautiful, hardy species, with large clusters of flowers in various shades of yellow, orange or carmine, blooming in May. 75c. each.

Calycanthus (Strawberry Shrub). 50c. each.

Deutzia Gracilis. A dwarf growing shrub, covered with Lily-of-the-Valley-like pure white flowers; early in May and June. 35c. each; $3.50 per dozen.

Hydrangea Paniculata Grandiflora. On of the most popuar shrubs in cultivation. The flowers are borne in large, dense pyramidal bunches 12 inches long in an astonishing profusion, being white on opening, changing to rose and later to green. 25c. each; $2.50 per dozen.

Hydrangea Tree. A very desirable form of Hydrangea, the branches starting out 3 feet from the ground. 75c. each; $8.00 per dozen.

Prunus Japonica (Double-Flowering Almond), 35c. each.

LILAC OR SYRINGA

Charles X. A strong grower with large panicles of reddish-purple flowers. 50c. each; $5.00 per dozen.

Marie Legraye. Beautiful, pure white flowers, large, loose trusses. 50c. each; $5.00 per dozen.

MAGNOLIA

Very stately shrubby trees with large, tulip-shaped flowers.

Soulangeana. Blooms early in spring; flowers 5 inches across, white on the inside, shaded purple outside, $2.00 each.

SPIRAEA

Prunifolia (Bridal Wreath), double white flowers in great abundance; very fine, 35c. each.

Van Houttei. This is the finest of all shrubby Spiraeas, and when in flower form a complete mass of white, hiding the foliage completely; a beautiful ornament for any lawn, 35c. each.

HERBACEOUS SPIRAEAS

Japonica, the best known. Fine for forcing; when planted outside, will bloom in June. Strong clumps, 20c. each; $2.00 per dozen.

Compacta Multiflora. Much like the foregoing, but of more compact growth; very prolific in its production of the feathery white flowers borne in plume-like panicles of magnificent proportions. Strong clumps, 20c. each; $2.00 per dozen.

Astilboides Floribunda. One of the most beautiful of the Spiraeas. Very dwarf in habit and earlier in bloom than the others; a very profuse bloomer, while its feathery pure white flowers appear in greatest profusion. Strong clumps. 20c. each; $2.00 per dozen.

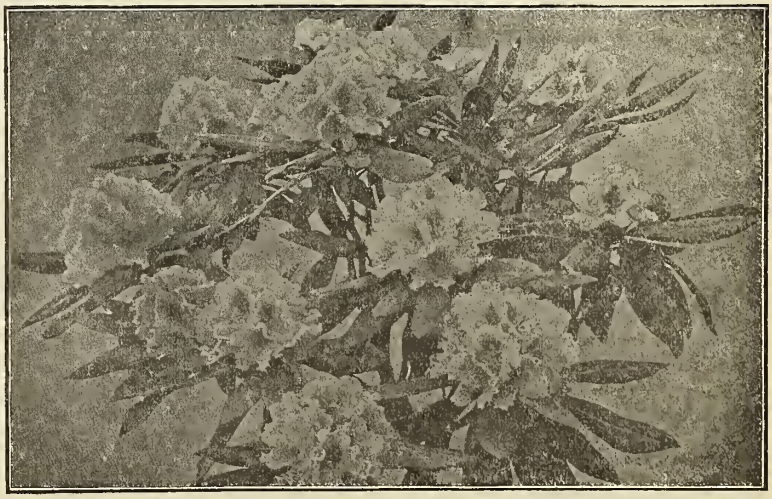
Gladstone. A quite new and very large flowering kind; one of the most important plants to the florist, who grow large quantities for Easter decoration. Well-grown plants bear often 40 stems with plume-like trusses, covering the plants with a thick white foam. Strong clumps 20c. each; $2.00 per dozen.

Viburnum Plicatum (Japanese Snowball). A well-known shrub with white snowball-like clusters of flowers, 50c. each.

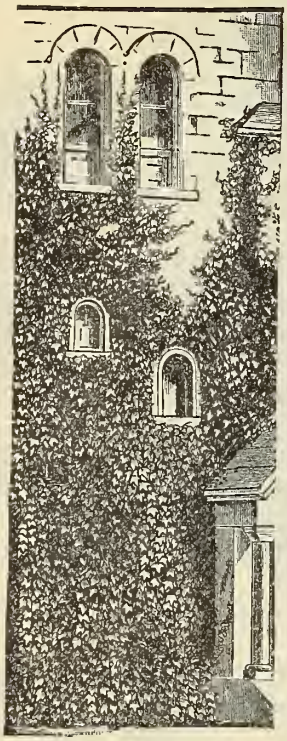
Weigelia Rosea, very ornamental, with clusters of pink flowers. 35c. each.

Rhododendron One of the most beautiful of our hardy plants, with evergreen, large foliage, producing big bouquets of magnificently colored flowers. Choice, well budded plants. $1.00, $1.25 and $1.50 each, according to size and variety.

DAHLIAS
OUR COLLECTION OF DAHLIAS CONTAINS ONLY THE BEST VARIETIES OF RECENT INTRODUCTION



Rhododendron.



Ampelopsis Veitchii.

Hardy Climbing Plants

Our list of these valuable plants contains only the best and hardiest, suitable for covering porches and fences. They are all extra strong plants, which will make a good showing the first year.

Ampelopsis Veitchii (Boston or Japanese Ivy). The well-known climber used so largely for covering brick walls, houses, churches, etc. They cling close to the wall and turn a vivid red in the fall, of most striking appearance. Strong two-year-old plants, 25c. each; $2.50 per dozen.

Aristolochia Sipho (Dutchman's Pipe Vine). A rapid growing climber with large leaves and brownish-colored flowers, resembling in shape a pipe. It makes a very dense covering after once established. Strong plants 50c. each; $5.00 per dozen.

Bignonia Radicans (Trumpet Creeper). A tall grower rambling high into the branches of trees, fine for old, dead trees. Its large, trumpet-shaped flowers of dark red are produced very freely. 50c. each; $5.00 per dozen.

Clematis Paniculata (Japanese Virgin's Bower). Undoubtedly one of the most charming of our hardy vines; exceedingly rapid in growth, soon reaching a height of from 15 to 20 feet, spreading out in all directions. The small, pure white, deliciously fragrant flowers are borne in great panicles or clusters so profusely as to fairly cover the plant with a sheet of white fleece. Their blooming period commences in August and extends late into September. Strong plants, 35c. each; $2.50 per dozen.

LARGE FLOWERING CLEMATIS

The flowers of this class are very large, often measuring 8 inches in diameter. The colors run from an intense velvety purple, through blue, white and red. They must be planted pretty deep to prevent them from drying out at the neck, which causes a good many to die.

Bangholm Belle, a large pure white.
Duchess of Edinburgh, double white.
Gipsy Queen, very deep royal purple.
Jackmanni, a fine, deep purple, very free.
President, deep satiny blue.
Viticella Kermesina, carmine, small flowers.

Price—Any of the above **50c. each; $5.00** per dozen. One of each of above, $2.75.

HONEYSUCKLES.

They are fine subjects for covering porches, fences, and the plants which we offer are **strong, two-year-old** stock.

Halleana (Japan Honeysuckle). An almost evergreen sort with white flowers changing to yellow. **50c.** each.

Scarlet Trumpet. Bright red, trumpet-shaped flowers, very free bloomer. **50c.** each.

WISTARIA CHINENSIS.

A very rapid growing climber, and one of the most beautiful. The flowers are borne in long pendulous clusters; fine for balconies and verandas.

Blue. Strong grower with light lavender flowers. 50c. each; $5.00 per dozen.

White. Flowers pure white. 50c. each; $5.00 per doz.

Small Fruits

Our patrons may fully rely on these being good, strong and hardy plants.

BLACKBERRIES

Early Harvest, the earliest and therefore most valuable. Ripens in July, very productive, sweet medium-sized berry. Needs protection in the North. 8c. each; 70c. per dozen; $2.25 per 100.

Erie, a very strong grower, producing large crops on even poor soil, very large fruit of uniform size; absolutely hardy. 8c. each; 70c. per dozen; $2.25 per 100.

El Dorado, new, very vigorous, healthy, hardy, and productive. The berries are large, jet-black, and of the best quality. 10c. each; 90c. per dozen; $2.75 per 100.

Rathbun, of very fine quality and jet-black in color, extra hardy and very prolific. 10c. each; 90c. per dozen; $2.75 per 100.

Snyder, an extra hardy variety, wonderfully productive, of medium size, very juicy and sweet. 8c. each; 70c. per dozen; $2.25 per 100.

CURRANTS

Currants require good cultivation and rich soil and will do well in a partial shade.

Black Champion, the leading black sort — large berry and bunch, fine quality.

Cherry, large berries, short bunches, vigorous and productive, deep red.

Fay's Prolific, the leading variety, extra large berries, uniform in size, very productive, rich red in color.

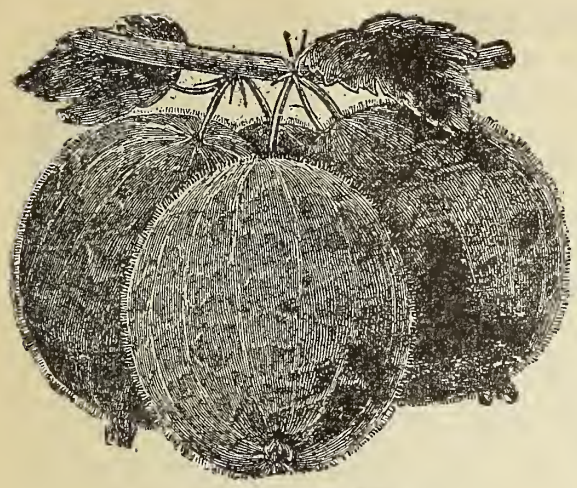
North Star, the strongest grower of the red varieties with bunches 4 inches long; extra quality.

Victoria, bright red, extra long bunches, berries of medium size, late in ripening.

White Grape, very large, yellowish white, sweet, excellent for the table.

Price: Any of the above 12c. each; 75c. per doz.; $4.50 per 100.

Chautauqua Climbing. A new Red Currant of remarkable qualities. Berries and clusters large to very large, and of a mild and most excellent flavor. 35 quarts of fruit to a single plant on trellis when five years old. Price 50c. each; $4.00 per dozen; $18.00 per 100.



Gooseberry "Downing."

GOOSEBERRIES

They like good and frequent cultivation, rich soil and a heavy manure mulching around the bushes during the summer will prevent mildew.

Chautauqua, a very vigorous, stout, stiff, upright grower and exceedingly productive. It should not be planted closer than four by six feet apart. Its leaves are large, glossy and dark green, its fruit is of a beautiful light yellow color, perfectly free from spines and down, veined and translucent, averaging in size 1 to 1¼ inches in diameter, although we have often grown them 1½ inches long. It is rather thick skinned, but very sweet and of exquisite flavor. 35c. each postpaid; $3.00 per dozen by express.

Downing, an old well-known kind, large and handsome, pale green, of fine quality, vigorous grower, little affected by mildew. 20c. each postpaid; $1.50 per dozen by express.

Houghton, medium fruit, pale red, of very fine flavor, enormously productive. 15c. each postpaid; $1.25 per dozen by express.

Industry, large fruit of dark red color and delicious quality, one of the best for market and home use. 25c. each postpaid; $2.25 per dozen by express.

Red Jacket, very large, smooth, prolific and hardy, of best quality, very free from mildew, a wonderful cropper. 15c. each postpaid; $1.50 per dozen by express.

Smith Improved, large, pale green fruit, of extra quality and exceedingly productive. $1.50 per dozen by express.

GRAPES

Grapes like a porous stony soil, along slopes of hills or terraces, where they will have the full benefit of the sun.

Orders should be received by April 15th.

BLACK VARIETIES.

Concord, the old well-known popular variety, succeeds under any condition.

Moore's Early, large berry and bunch, vine hardy and productive, very early.

Worden, an exceptionally fine variety of the Concord type, but earlier, with larger berry and bunch, of better quality, very hardy.

RED VARIETIES.

Agawam, very large berry with thick skin, sweet and ripening early, vine very vigorous.

Brighton, berries medium to large, of excellent flavor and quality, nicely formed bunch, extra early.

Lindley, medium to large berry, tender and sweet, ripens early.

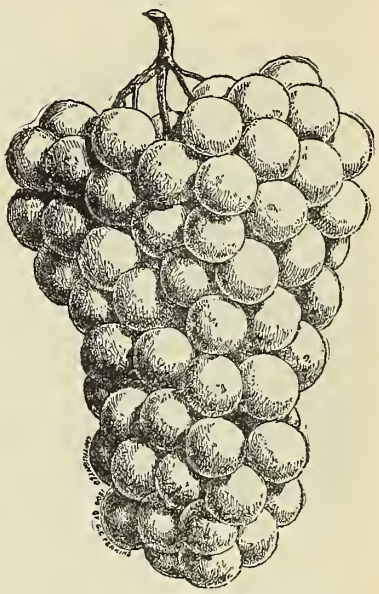
WHITE VARIETIES.

Moore's Diamond, berries pretty large, of excellent quality with very few seeds, very hardy and productive and very early.

Niagara, the leading variety of the whites, with large bunch and berry, greenish white and pale yellow when fully ripe.

Pocklington, a general favorite, with large bunch and berry, juicy, tender and sweet, light golden yellow, vines hardy and very vigorous, free from mildew and productive.

Price—15c. each; 6 for 75c. postpaid; $1.00 per dozen by express.



Grape "Niagara."

RASPBERRIES

Raspberries thrive well on a deep cultivated soil, kept free from weeds; a mulching of manure will be very beneficial to them.

Cumberland, the largest Raspberry known; it will give satisfaction in any instance; the most profitable, deserving the name of "Business Black Cap" fully.

Columbian, purple, resembling in type Shaffer's Colossal. The best berry for canning purposes.

Cuthbert, red, the leading late market sort; remarkably strong and standing the most severe winters.

Golden Queen, the best yellow Raspberry; might be called a yellow Cuthbert, of great size, of very high quality, very hardy and productive, canes are of strong growth, ripens in mid-season.

Gregg, black, the best of the late varieties, very large and requires good soil to produce best results.

Loudon, red, ripens moderately early, and holds out very late, highly productive, claimed to exceed all others in this respect, a good shipper, of superior quality and attractive crimson color.

Price—10c. each; 60c. per dozen postpaid; $2.50 per 100 by express.

STRAWBERRIES

For home use, strawberries may be planted in rows some three feet apart and one foot in the row. But much larger and more fruit can be grown by closer planting, say one by one and a half feet, cutting off the runners as fast as they grow. In field culture they are usually planted in rows four feet apart and one foot in the row and runners left to grow. Planted so, most of the cultivation may be done with horse labor. It is very essential that they be kept free of weeds all through the season. It is well to mulch them early in the winter for protection against severe and sudden changes of weather, and to keep them from heaving out. All leading varieties. Price $1.00 per hundred; $6.00 per thousand by express.

PIONEER FERTILIZERS

ANALYSIS GUARANTEED

FEED YOUR SOIL

Commercial Fertilizers are sure to come into more general use as fast as they are tried. Their quick and direct action commends them to the gardener and farmer. A customer who once buys almost invariably continues its use. The enormous quantities sold every year give the best evidence of its utility and value to the gardener and farmer.

Please let us know for what crop and on what kind of soil you wish to use fertilizer, and we will be pleased to write you what we consider best for your use.

Ashes—Canada Unleached Hard Wood. Analysis (0-0-6). Nature's Fertilizer. Contains all of the fertilizing elements. Ashes correct sourness of the soil, rendering sandy soils more capable of retaining fertilizers and making clay soils less stiff and more easily worked. They drive away insects, and are indispensable for all crops requiring potash. They are very beneficial for garden and field crops, and are of high value for cabbages, potatoes, onions, strawberries, celery, fruit trees, corn, clover, wheat, beans, grass lands and lawns. Price, per barrel of about 200 lbs., $2.50; per ton 2,000 lbs., $20.00.

Bone Meal. Guaranteed analysis: Ammonia 3½ per cent.; Phosphoric Acid 27 per cent. Is a pure animal bone, without adulteration, from which all the grease and gelatinous matters have been extracted by a patent process, leaving the resultant bone in a finely divided state. Price, 125-lb. bag, $2.75; in ton lots, $35.00.

Recommended for use on bottom lands or where there is a good supply of moisture for all kinds of grain, and also for strawberries and fruit trees, in connection with some form of potash. May also be used to good advantage composted with barnyard manure.

Garden City Phosphate. Good for all crops. Guaranteed analysis: (0-14-0). Price 125-lb. bag, $1.75; per ton, $22.50.

Grain Fertilizer. Guaranteed analysis: (1-8-2). The best brand on the market for the price. Price, 125-lb. bag, $2.00; per ton, $27.50.

Homestead-Bone Black. A fertilizer that immediately becomes available, assimilates with the soil and acts as a tonic to germinate the seed, hasten its growth, yield and quality. Good for oats, corn, barley, potatoes and other spring crops. Price, 200-lb. sack, $3.50; per ton, $32.50.

Kainit (German Potash Salt). Analysis: (0-0-12.4). Price, 200 pounds, $3.00; ton $22.50.

Land Plaster of Gypsum. Analysis: Sulphate of lime, pure gypsum 94.23; carbonate of magnesia (a valuable fertilizer), 2.65; common limestone, 2.20; alumni silica and oxide of iron, .92. We have the genuine New York State Gray only, and this Land Plaster used as fertilizer gives better results for money invested than anything a farmer can put on his land. Valuable for all crops, especially in dry seasons where commercial fertilizers fail. Used by many potato growers. This is excellent to mix with Paris Green at the rate of 100 pounds of Plaster to 1 pound of Paris Green. Per barrel of about 300 pounds, on cars, $1.50; 5-barrel lots, per barrel, $1.35.

Lime, Agricultural. Lime is absolutely indispensable to plant life, and by its use much larger yields of clover, timothy, wheat, rye, oats, corn, etc., can be had, and we recommend its being tried by our farmer friends. 200-pound sack, $1.00; per ton, $7.50.

Muriate of Potash. Analysis (0-0-50). Price, nominal, per bag of about 224 lbs., $6.00; per ton of 2,000 lbs., $50.00.

Nitrate of Soda. Analysis (19-0-0). The most valuable Fertilizer known for the trucker, gardener and fruit grower. Will give immediate results. It is chiefly a stimulant; it is used in addition and mixed with barnyard and other fertilizers. It comes from Chili, and is very quick in its action and hastens the maturity of crops. Price, sack, 100 pounds, $3.50; half ton $35.00; ton lots, $65.00.

Prices on Nitrate of Soda and Muriate of Potash are subject to market fluctuations.

Onion, Potato and Tobacco Fertilizer. Guaranteed analysis (2-8-7). A high-grade fertilizer, especially adapted for tobacco and all kinds of vegetables (also small fruits and vines and fruit-bearing trees). Price 125-lb. bag, $2.50; per ton, $36.00.

Peruvian Guano. (Genuine Lobos Brand.) Free from adulteration. One lb. 10c.; 10 lbs. 60c.; 25 lbs. $1.25; 50 lbs. $2.00; 200 lbs. $5.50; per ton of 2,000 lbs. $45.00. One ton of pure guano is worth twenty tons of stable manure. Mixed in water (like Paris Green), it is most valuable in forcing garden truck, both in hotbeds and out in the field.

Salt, Agricultural. For top dressing asparagus beds. Apply very early in spring at the rate of 800 to 1,000 pounds per acre. Price, 200-lb. bags $1.50; per ton $10.00.

Sheep Manure. Analysis (3-2-2). A pure, natural and nutritious Fertilizer, immediate and lasting in its effects; excellent for mixing with soil for greenhouse plants. In the vegetable garden and farm it promotes a rapid, steady growth during the entire growing season. It also makes a rich liquid manure for market gardeners' use. One of the best fertilizers for the lawn. Price, 100-lb. bag $1.75; per ton $25.00.

Superphosphate. Guaranteed analysis: (2-8-2). The best general crop producer on the market. It gives the plant an early start and insures a continuous, healthy growth up to and including maturity, and shows marked results on following crops. It adds to the fertility of the soil. For all crops, particularly corn, wheat, oats and timothy. Price, 125-lb. bag, $2.00; per ton $28.00.

Tobacco Stems. An indispensable lawn covering for winter. They not only act as a protector, but impart large quantities of ammonia and drive away insects and moles. Price, bales of about 250 lbs., $2.50; per ton, $16.00.

Truck Grower. Guaranteed analysis: (1-8-4). An all-around truck brand. Also good for corn, wheat and oats. 125-lb. bag, $2.00; per ton, $28.00.

Excelsior Brand Food for Flowers. An excellent fertilizer for house plants. Easily applied by dissolving in water. Clean to handle; without odor; produces rich green growth and profusion of flowers. Price 15c. and 25c. per package. Postage extra, 10c. and 15c.

FARM AND DAIRY NECESSITIES

Conkey's Fly Knocker, 2-quart cans	Each	$0.60
1-gallon cans	Each	1.00
Bitter Lick Horse and Cattle Conditioner, in bricks	Each	.25
Per dozen bricks		2.50
Holders for bricks		.15
Per dozen holders		1.50
Cooper's Sheep Dip, 2½-lb. packages	Each	.50
10-lb. packages	Each	2.00
Louden Galvanized Iron Cattle Stanchions	Each	1.50

RAISE CALVES WITHOUT MILK

Blatchford's Calf Meal gives just as good or better results than whole milk for feeding Calves, Pigs, Colts, Lambs, etc., and is less than **one-half as expensive** to feed, as every 100 pounds makes 100 gallons rich, nutritious perfect milk substitute.

Don't feed your Calves Butter Fats. Sell your milk and cream and still raise fine, thrifty calves. 100-lb. bag, $3.50; 50-lb. bags, $2.00; 25-lb. bag, $1.00.

Old Process Oil Meal. 100-lb. sack, $2.00; ton lots $35.00.
Cotton Seed Meal. 100-lb. sack, $2.00; ton lots, $36.00.
Gluten Feed. 100-lb. sack, $2.00; ton lots, $35.00.

} Prices subject to change. Write us.

FROM

Name _____

Town _____

County _____

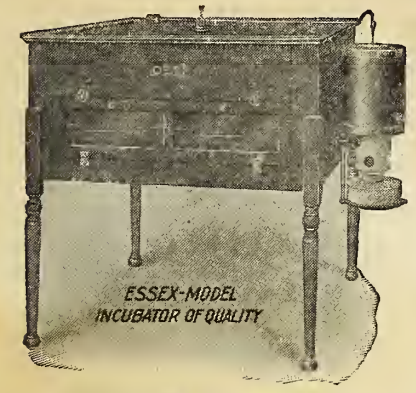
State _____

THE RAGER-PHILIPPS SEED CO.

The Henry-Philipps Seed & Implement Co.

115 and 117 St. Clair Street

TOLEDO, OHIO



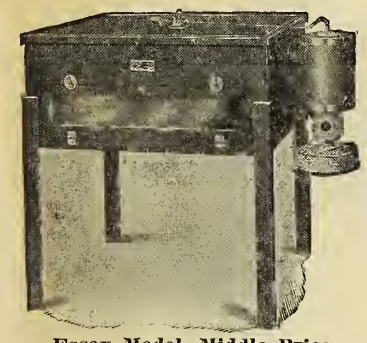
ESSEX MODEL STANDARD INCUBATORS

1914 MODEL

The famous Essex Model "Standard" Incubators are acknowledged by most successful poultrymen to be America's leaders in artificial incubation. These Standard Incubators are made of hardwood, high grade chestnut. They possess double walls, thoroughly insulated. The heater is of metal, covered with a thick corrugated asbestos jacket. The non-shrinkable metal regulator arm cannot increase or decrease in weight by the action of moisture.

The Essex Corrugated Thermostat, the heart of the machine, is the most rigid, the most sensitive, quick-acting thermostat made. It is patented, and therefore, may be used only in the Essex Model Incubators.

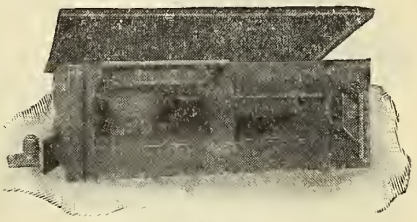
PRICES AND SIZES	Price
No. 0—Holds 100 eggs	$18.00
No. 1—Holds 175 eggs	23.00
No. 2—Holds 275 eggs	32.00
No. 3—Holds 410 eggs	37.00
No. 4—Holds 324 eggs (Duck)	40.00



Essex Model, Middle Price Incubator

ESSEX MODEL BROODERS AND HOVERS

	Price
Essex Model Portable Hover	$ 7.00
Essex Model Colony Brooder, Style A	12.50
Essex Model Colony Brooder, Style C	18.50
Essex Model Improved Chick Comfort Hover	8.50
Essex Model Single New Homestead Brooder	7.50



Essex Model, Style A. Brooder

INTERNATIONAL SANITARY HOVER

This hover is portable and can be picked up and carried around with ease and used anywhere.

Price .....$8.50 each

International Sanitary Hover

ESSEX MODEL, MIDDLE PRICE INCUBATOR

These Incubators are of first-class construction. They possess the latest style "Mission" finish, popular everywhere. They are low in price, high in quality, most attractive in appearance. These machines are fully guaranteed.

Prices of Essex Model, Middle Price Incubators	Price
No. A—Essex Model, 70 eggs	$11.00
No. B—Essex Model, 120 eggs	14.00
No. C—Essex Model, 200 eggs	18.00

"TYCOS" INCUBATOR THERMOMETER

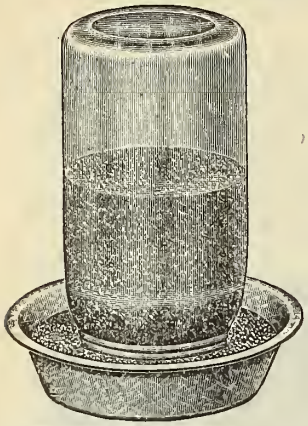
The Thermometer of quality and accuracy. Many hatches are lost by not having an accurate thermometer. Price, each 75c. postpaid.

POULTRY AND PIGEON FOODS

	50-lb. Bag	100-lb. Bag
Alfalfa, mealed	$1.25	$2.00
Barley for Hens	1.10	2.00
Beef Scraps	1.70	3.25
Beef Meal	1.50	2.75
Blood Meal	1.90	3.75
Bone, coarse	1.50	2.75
Buckwheat for Hens	1.10	2.00
Chick Food, Crescent	1.25	2.50
Charcoal, medium, for young and partly grown chicks, coarse for fowls, ducks and geese ....2-lb. pkgs. 10c. each	1.25	2.25
Cracked Corn	.90	1.50
Developing Food, Colonial	1.25	2.25
Egg Mash, Blatchford's "Fill The Basket".	1.50	2.50
Grit Mica Spar, No. 4, for Chicks and Pigeons, No. 3, for Half-grown Chicks, No. 2, for Hens, Ducks and Geese..... Special price in large lots	$0.50	$0.75
Kaffir Corn	1.10	2.00
Milk Mash Blatchford	1.50	2.50
Millet for Chicks	1.25	2.25
Oil Meal	1.25	2.25
Oyster Shell, fine for Chicks and Pigeons, coarse for Hens, Ducks and Geese .... Special price in large lots.	.50	.75
Pigeon Food	1.50	2.50
Scratching Food, Globe	1.15	2.00
Shelled Corn	Per bushel	1.00
Sunflower Seed	3.00	5.50
Wheat for Hens	1.25	2.00

Note—Prices on above Poultry Foods subject to change without notice

Economy Poultry Feeder and Fountain

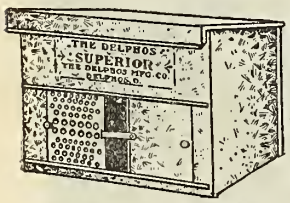


These pans make the finest feeders and fountains that we know of. In the first place there is nothing loose—only one part. The feet supporting the thread socket into which the Mason jar screws are firmly electric welded to the bottom of the seamless pan. Price 25c. postpaid.

Standard Poultry Supplies

The Best of Everything for the Poultryman

Bone Cutters, Mann's and Standard. Send for Special Catalogue.
Boston Food Hopper for Chicks.....**4-quart and 8-quart size, $1.00 and $1.50 each**
Boston Food Hopper .....16-quart size, $1.00 each
Brood Coops, made of Galvanized Iron.....$2.00 each
Canfield Cups for Display Coops.....15c. each; $1.50 per doz.
Caponizing Sets, Pilling's Farmer and Special.....$3.00 and $4.00 per set
Chick Markers, Pilling's Philadelphia .....25c. each
Chick Markers, Pilling's Perfect .....25c. each
Chick Markers, "Lansdown" .....25c. each
Chick Markers, "Model Poultry Punch".....35c. each
Clover Cutter, Model Clover Cutter.....$7.50
Corn Shellers, Black Hawk, for bench.....$2.00
Corn Shellers, Favorite .....$5.50, with fan $6.00
Dry Food Hoppers .....75c. each; 3 for $2.00
Davis "All Rite" Food and Water Holders.....**15c. each; 2 for 25c.**
Egg Testers, X-Ray .....25c. each
Egg Testers, Model, High Light.....$1.75 each
Egg Boxes, hold one dozen Eggs.....15c. dozen, 75c. per 100
Egg Carriers, hold 12 dozen Eggs.....35c. each
Eyrie Shipping Boxes, 15 Eggs.....15c. each, $1.35 per doz.
Eyrie Shipping Boxes, 30 Eggs.....20c. each, $2.00 per doz.
Anderson Egg Boxes, 50 Eggs.....25c. each; $2.75 per doz.
Anderson Egg Boxes, 100 Eggs.....40c. each; $4.50 per doz.
Fountains—Philipps' Drinking Fountains, Small Size.....20c. each; 6 for 90c.
Medium .....25c. each; 6 for $1.25
Large .....35c. each; 6 for $2.00
Grit and Shell Boxes.....50c. each; 3 for $1.35
Grist Mills, Black Hawk .....$2.50 each
Gape Worm Extractor, Pilling's .....25c. each
Gas Burners, Model, Blue Flame .....85c. each
Hand Spray Pumps, for applying Lice Killer.....30c., 65c. and 75c.
Hygrometers, "Tycos," Wet Bulb.....$1.50 each
Incubator Lamps .....75c. to 90c. each
Jumbo Powder Gun for Dusting Lice Powder.....25c. each
Killing Knives, French Killing Knife.....50c. each
Killing Knives, Pilling's .....50c. each
Leg Bands, Champion.....15c. per doz.; 75c. per 100
Leg Bands, Double Clinch .....15c. per doz.; 65c. per 100
Leg Bands, Leader .....15c. per doz.; 65c. per 100
Leg Bands, Smith, Sealed .....30c. per doz.; $1.50 per 100
Leg Bands for Pigeons, Open .....15c. per doz.; 75c. per 100
Leg Bands for Pigeons, Seamless .....25c. per doz.; $1.00 per 100



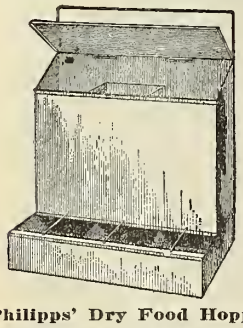
Can be taken apart and packed away flat, occupying very little space when not in use.

The Delphos Superior Galvanized Brooder Coop
Price $2.00 each.

Special Note—When ordering Leg Bands, kindly state name of breed you wish to band.
Model Grinding Mills.....No. 2, $5.00; No. 3, $7.50; No. 3 with pulley, $10.00
Norwich Automatic Feeder and Exerciser—
No. 1, 8 quarts, $2.50; No. 2, 14 quarts, $3.25; No. 3, 20 quarts, $4.10; No. 4, 32 quarts, $5.00
Perch Supports, Cyphers, Lice Proof.....25c. per pair; 6 pairs for $1.25
Poultry Bits, to prevent Feather Pulling.....10c. each; or $1.00 per doz.
Root Cutters, "Banner" .....$4.50 each and up, according to size
Sealers, for Smith Sealed Leg Band.....75c. each
Stone Fountains .....¾-gallon size 25c. each; 1-gallon size, 35c. each
Thermometers, "Tycos" Incubator Thermometer .....75c. each
Thermometers, Brooder .....50c. each
Thermometer for Incubator and Poultry Houses.....15c. and 25c. each
"The Sefton Live Chick Box," 25 Chicks, Size 12 x 6 x 5.....15c. each, $1.25 per doz.
50 Chicks, Size 22 x 12 x 5.....20c. each; $1.75 per doz.
100 Chicks, Size 24 x 12 x 5.....30c. each; $2.90 per doz.
Wall Fountains, 1-gallon size.....50c. each; 3 for $1.35
Wall Fountains, 2-gallon size.....75c. each; 3 for $2.00
Wall Fountains, Peerless, with Heater.....Complete, $1.50 each
Wire Nests.....15c. each; $1.50 per doz.

The "Peerless" Heated Fountain
Capacity 1½ gallons
Price $1.50

Fountain only. Price 60c.



Philipps' Dry Food Hopper
This new Hopper is adjustable and can be made in one, two, or three compartments. Each 75c.

POULTRY REMEDIES

Egg Maker, "Pioneer" .....2½-lb. packages 25c.
Egg Maker, "Lees" .....2½-lb. package, 25c.; 25-lb. pail, $2.00
Egg Producer, "Rust".....1-lb. package, 25c.; 2½-lb. package, 50c.; 6-lb. package, $1.00
Full Nest Egg Food "Cyphers" .....2½-lb. package, 25c.
Germozone "Lee's" (Liquid) .....12-oz. bottle 50c.
Germozone "Lee's" (Tablet) .....box 50c.
Head Lice Ointment "Conkey's".....1 oz. box, 10c. each; 3-oz. box, 25c.
Haven's Climax Condition Powders, "Rusts," 13-oz. pkg., 25c; 2-lb. pkg., 50c; 5-lb. pkg. $1.00
Lice Killer, "Philipps'".....1-pt. can, 25c.; 1-qt., 35c.; ½-gal., 60c.; 1-gal., $1.00
Lice Killer, "Lee's" .....1-qt. can, 35c.; ½-gal., 60c.; 1-gal., $1.00
Lice Powder, "Philipp's".....5-oz. pkg., 10c.; 1-lb. pkg., 25c.; 3-lb. pkg., 50c.
Microzone .....bottle, 50c.
Milk Oil Disinfectant .....1-pt. can, 25c.; ½-gal., 60c.; 1-gal. $1.00
Nest Eggs, China .....3c. each; 25c. per doz.
Nest Eggs, Medicated .....5c. each; 50c. per doz.
Nutrine Chick Salts "Model".....2-lb. package, 50c.; 5-lb. package, $1.00
Poultry Remedies "Model," a remedy for every disease..
25c. per vial; $2.00 per case of 10 remedies
Poultry Remedies, "Conkey's"—We carry a full line of these remedies—Get Special List
Poultry Regulator, "Pratts".....26-oz. pkg., 25c.; 4-lb. pkg., 50c.; 9-lb. pkg., $1.00
Roup, Gape and Cholera Cure, "Philipps'".....35c. per can
Roup Powder, "Pioneer," fully guaranteed.....25c. and 50c. per pkg.
Roup Powder, "Conkey's" .....25c. and 50c. per pkg.
Roup Powder, "Rusts'" .....25c. per pkg.
Roup Pills, "Rusts'" .....25c. per pkg.
Sulphur Candles, "Model" .....10c. each; $1.00 per doz

Spraying Outfits

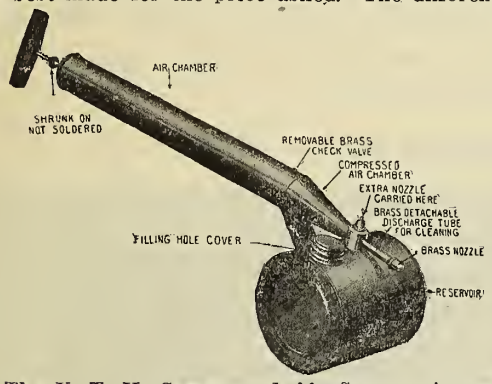
SPRAYING FRUIT TREES BY HAND AND HORSE POWER

Spraying is no Longer an Experiment, but a Science and a Necessity to Secure a Crop of Fruit.

Nearly every one is now familiar with the practice of spraying plants with various insecticides and fungicides, for the prevention of injury by insects and fungous diseases. It has been estimated by competent authorities that over $300,000,000 worth of crops are annually destroyed by insects and fungi in the United States. But by proper spraying a large part of this immense loss can be prevented.

The spraying should be done by means of a spray pump, many styles of which are on the market. To do satisfactory work in spraying one must have a first-class outfit. The pump must have its working parts made of brass, as the fungicides soon corrode iron or tin. The nozzle must be of good quality, it must throw a fine, mist-like spray, and if it will throw a solid stream, so much the better for its general utility. The kind of spraying outfit which should be selected will depend entirely upon the kind and amount of work to be done.

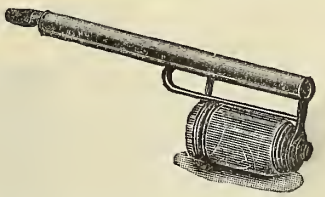
We here offer to our customers a complete line of spraying appliances, such as we consider good in every way, and the best made for the price asked. The different Sprayers we offer can be used in many ways for spraying the garden, orchard or vineyard for florists, nurserymen, fruit and tobacco growers, poultrymen and stock raisers.



The U. T. K. Compressed Air Sprayer is made with all parts removable, including the discharge tube and brass ball check valve, which checks the air into the air chamber. This enables the operator to thoroughly clean the sprayer in case the same should become clogged.

This Sprayer is furnished with two interchangeable brass nozzles, producing a mist continuous spray, in any direction desired. The filling hole cap is made of brass. The size of spray is accomplished by turning the little brass nozzle backward or forward. The compressed air chamber placed in front of the barrel allows the reservoir to be filled full of liquid, and this will not be found in any other continuous sprayer. The U. T. K. takes the places of every kind of atomizer or sprayer, doing the work five times as fast and with less than half the labor. There are no complicated parts to get out of order. Full direction on each sprayer. Price 90 cents.

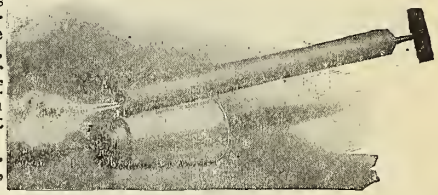
LIGHTNING SPRAYERS



This Liquid Sprayer is cheap and durable and should be in the household of every Farmer, Gardener and Florist.

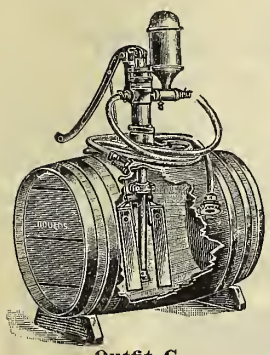
Throws a fine smoke-like spray and once filling will cover 1,000 hills of potatoes, also good for using any kind of disinfectants. Price with glass reservoir, 65 cents.

This Tin Sprayer we can furnish either for Liquids or Powder Dusting, as ordered. With ordinary care they will last for years. Keep the leather plunger soft with a few drops of oil or vaseline, and when using operate with a short quick stroke.
Price for Liquids, 30 cts.
Price for Powder Dusting, 60 cents.



Bamboo Extension Rods. 6, 8, and 10 feet. Price, $2.75, $3.00. and $3.25 each.

BARREL SPRAY PUMPS

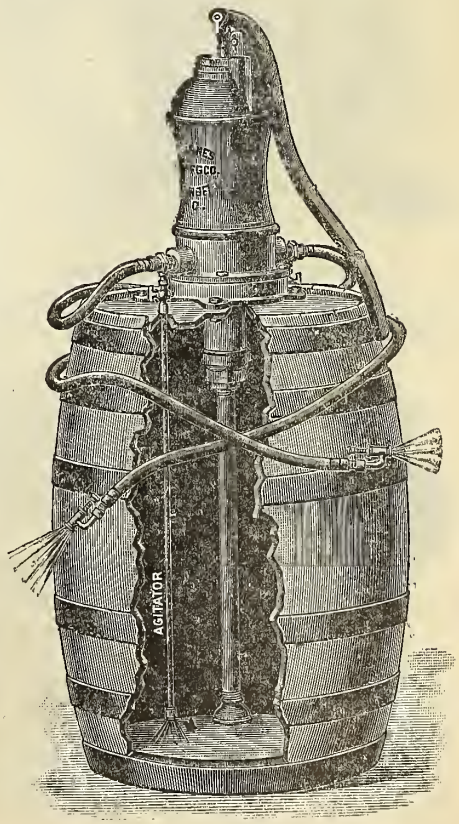


Outfit C

Outfit C. Double-Acting Spray Pump, with base for attaching to either side or top of barrel. This Pump has brass-lined cylinder, brass-cased differential plunger, and large air chamber. Price, 2½ feet, 1 inch iron suction pipe with brass strainer and two leads 15 feet each, ½ in. discharge hose with "Mistry" spray nozzle, $11. For a pump with one lead hose only, $9.50.

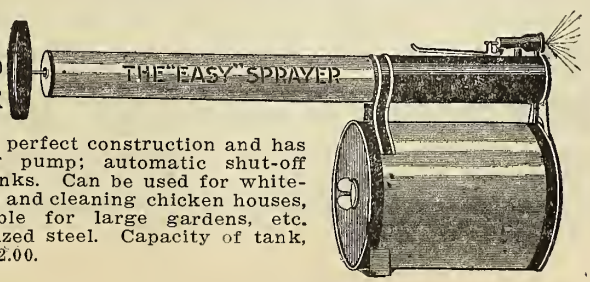
These outfits can be mounted on wagons and plank sleds at very trifling expense and trouble. We can guarantee these outfits to give good satisfaction. Prices do not include barrel.

Outfit P. Represents our new improved Barrel Spray Pump with brass upper and brass-lined lower cylinders, brass plunger, brass check valve and brass valve seats. All working parts coming in contact with the liquid are brass. The body of the Pump is a large air chamber, and after the Pump is under pressure it will discharge a steady spray lasting two minutes or more with one stroke of the handle, thus making it easy to operate. Is double-acting, discharging half of water on up-stroke and half on down-stroke of handle. The ease with which it is operated makes it a general favorite, and we guarantee it to give satisfaction. Price, 1 Lead Hose, $9.50; with 2 Leads Hose, $11.00.

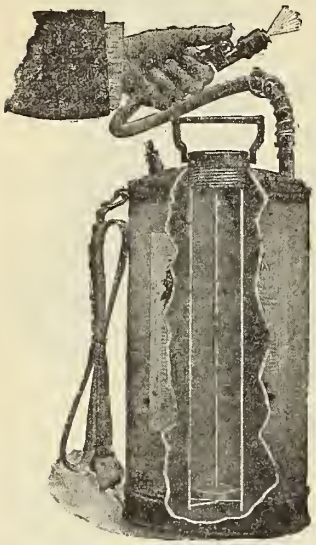


Outfit P

THE "EASY" COMPRESSED AIR SPRAYER



This sprayer is of perfect construction and has a large and strong pump; automatic shut-off nozzle; legs under tanks. Can be used for whitewashing, disinfecting and cleaning chicken houses, and is very desirable for large gardens, etc. It is built of galvanized steel. Capacity of tank, one gallon. Price, $2.00.



Compressed Air Sprayer, With Kant-Klog Nozzle.

PHILIPPS' COMPRESSED AIR SPRAYER

Philipps' Compressed Air Sprayer for spraying trees, small fruits, potato vines, etc.; also for house use as a fire extinguisher, and many other uses.

DESCRIPTION.—The Sprayer body is made of heavy polished brass or galvanized steel as desired. Top and bottom are dome shaped; joined to body under heavy pressure, making a complete double seam. The body is supported and further strengthened by a heavy steel band around the bottom. When completed this body is tested under double the pressure formerly used, so enabling you to get a finer spray for a greater length of time than with any sprayer we have ever made.

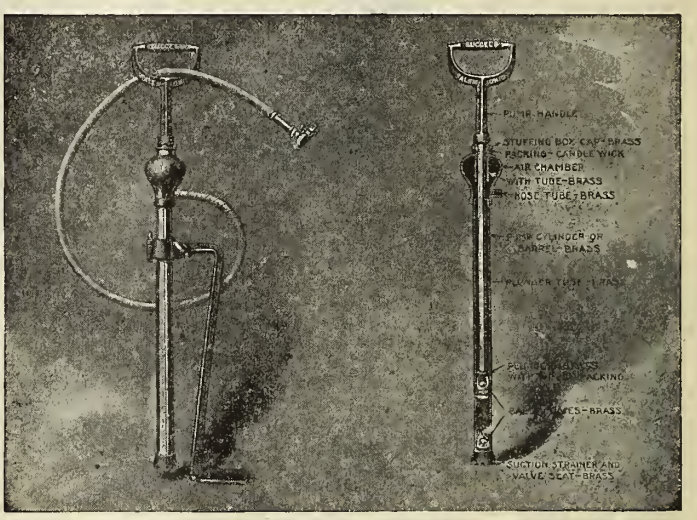
The air pump is made of heavy brass, two inches in diameter. Hose couplings are solid brass, standard cut threads, ends heavily ribbed to prevent hose slipping off. Hose is high grade, three-ply, supported by a coiled spring, bell-shaped at outer end to prevent breaking. A safety valve is provided to allow air to escape after the necessary pressure has been obtained.

The "Kant-Klog" Nozzle furnished with this machine without extra charge, makes two bell sprays of different size, volume and fineness; one flat spray and two sizes of straight streams. The new Spring "Hose-Cock" shown above is also furnished without extra cost. Sprayer holds between four and five gallons and can be carried either by carrier strap or air pump handle. Price, galvanized, $4.00; brass, $5.50. Extension Pipes, 3-feet lengths, solid brass, 35c. Elbow connection, solid brass (for low-down work), 35c.

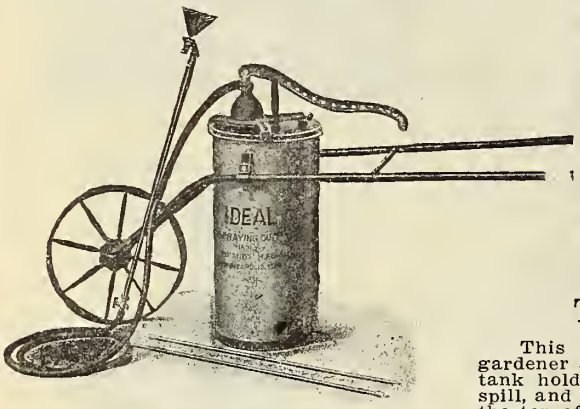
We carry in stock a full line of Wood and Iron, also Combined Lift and Force Pumps of all sizes; Well Curbing, Fixtures, Galvanized Chain, Rubber Buckets, Iron Pipe, Wood Tubing. All of these goods sold at the very lowest prices.

PHILIPPS' SUCCESS SPRAY PUMP

The "SUCCESS" represents a new and excellent pump for use in gardens, vineyards, greenhouses, for washing windows and buggies; also for spraying poultry houses. **The working parts are all brass** and bucket foot-rest is made of malleable iron. Nothing could be simpler and more durable than this pump. It has large air chamber space and is double acting, throwing an absolutely continuous stream, either solid or in fine spray. The end of hose connecting with pump is coiled with brass spring wire, adding largely to its durability. The "Bordeaux" Nozzle, the best combination spraying Nozzle on earth, is furnished with "Success" Pumps. Price, $4.00.



Success Spray Pump



The "Ideal" Spraying Outfit

THE "IDEAL" SPRAYING OUTFIT

This outfit has been designed to fill the requirements of the small gardener and fruit grower. It is light, compact and easy to operate. The tank holds fifteen gallons, is mounted so that the liquid will not slop or spill, and in a way that makes it easy to handle. The pump spreads across the top of the tank and is held firmly in place by a thumb nut. It has the largest air chamber of any spray pump of corresponding size. This enables the operator to keep a uniform pressure at the nozzle.

The pump barrel is 1¾ inches in diameter, 7 inches in length. The valves are bronze balls ⅝ inches in diameter, which allows free passage for the liquids and prevents clogging. Both valves are removable. A pressure of one hundred and fifty pounds can easily be maintained. Complete, like cut, price $18.00.

The "BORDEAUX" Nozzle is the simplest and best Combination Spraying Nozzle on the market. It throws solid streams or fan-shaped spray, adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long-distance, coarser spray for spraying very large trees, or it may be shut off altogether — features possessed by no other spraying nozzle. It can be used with any of our Spray Pumps for both ¼-inch pipe and ½-inch hose. Price, as per cut, 90c.

Bordeaux Nozzle

Scollay's Rubber Sprinkler. Indispensable for floral work and gardening. Invaluable when once tried. Very useful for dampening clothes or sprinkling in any way. Beware of imitations, as this is the best. Price, $1.00; same style, medium, 75 cents; small, 50 cents.

Scollay Putty Bulbs, for glazing. A pressure with the hand ejects the putty along the sash bars. Every florist and gardener should have one of these bulbs. Price, postpaid, $1.10.

Leggett's Paris Green or Dry Powder Gun. Complete, with 4 extra tubes, 5 nozzles, oil can, 2 straps, $8.00. Full information as to the mixtures and cost of different powders, with each Gun.

Insect Powder Guns. The most popular in the market, with screw cap in place of cork, which allows a larger opening for filling with powder. Prices, 25c. each; postpaid 30c. each.

Bellows of different sizes, with patent powder receivers which cannot choke up. Bellows, 12, 16, 24 and 30 inches. Prices, $1.00, $1.25, $1.50, $2.00.

Scollay Putty Bulb.

INSECTICIDES AND FUNGICIDES

This list contains the best that are made for Spraying Fruit Trees, Shrubs, etc., also for use on Animals.

Arsenate of Lead. Used for Elm Leaf Beetle and Caterpillars. Price, 1-lb. cans, 25c.; 5-lb. cans, 75c.; 12½-lb. cans, $1.50; 25-lb. kegs, $3.00.

Blue Vitrol (Sulphate of Copper). Now very extensively used in spraying grapevines in large vineyards and orchards. Price, from 8c. to 10c. per lb., according to quantity.

Bordeaux Mixture (Dry and Liquid). Preventive for blight. Price, pound 20c.; quart, 40c.; 1 gallon, $1.00

Cooper's V1 and V2. Destroys scale and fungoids. Dilute with 100 parts water. Price, quart, $1.00; gallon $3.00.

Fir Tree Oil Soap. A popular Insecticide for greenhouse and house plants; it frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug, scale, red spider, aphis (black and green), thrip, blight, worms and slugs, and is also a valuable remedy for animal parasites and insects. One ounce makes one gallon, mixed with water. Price, ½-lb. cans 25c.; 2-lb. cans 75c. each.

Grape Dust. For Mold, Mildew or Rust Mites. 5-lb. package, 30c.

Green Vitriol (Sulphate of Iron). Used on the farm in many ways. Price, 3c. to 6c. per lb., as to quantity.

Hellebore, Powdered White. For the destruction of Slugs, Worms, and Caterpillars. Less poisonous than Paris Green and London Purple, and safer to use when fruits and vegetables are nearly ripe. Can be used as a powder or dissolved 1 ounce in 3 gallons of water. Price, ½-lb. 15c.; 1-lb. 25c.

Kerosene Emulsion. For use, dilute one part of the emulsion with 8 or 10 parts of water for scale insects and hard-bodied insects, like the chinch bug. For soft-bodied insects, such as plant lice, lice on animals, etc., use one part emulsion to 15 or 20 parts of water.

CAUTION—Only the diluted emulsion, 1 part emulsion to 15 or 20 parts of water, should be used when the trees are in leaf, and in all cases it should be kept thoroughly stirred; otherwise the foliage or even the twigs will be injured. Price, 1-quart cans, 40c.; 1 gallon, $1.00.

"Lafer's Insecticide and Fungicide." A Plant Life Disease and Insect Exterminator. Price, 75c. per quart; $3.00 per gallon.

London Purple. Very poisonous and equally as efficacicious as Paris Green, and more soluble in water. Price, 25c. per lb.; 10-lb. lots and over, 20c.; per lb. If by mail, add 15c. for postage. Use in the same way as Paris Green.

"Nico-Fume." Tobacco-Paper Insecticide, for fumingating greenhouses. Price, per can of 24 sheets, $1.00; 144 sheets, $4.50.

"Nico-Fume." Liquid. A Nicotine Solution. Price, ½-lb. cans, 60c.; 1-lb. cans, $2.00; 4-lb. cans, $7.00.

Paris Green. A poisonous, insoluble powder, indispensable on the farm or garden, for preventing the ravages of Potato Bugs, Codling Moth Worms, Caterpillars, Slugs and Bugs. Applied as a powder it should be mixed as a plaster or flour, 100 parts to 1 part of Paris Green; in solution mix 1 pound in 200 or 300 gallons of water. Price, 1-pound package, 25c.; special price in large quantities.

Smut Killer. Cooper's Smut Killer is soluble in cold water. Destroys smut and promotes growth of grain. Price, quart, $1.00; ½ gallon, $1.75; 1 gallon $3.00.

Slug Shot. Slug Shot is an impalpable powder, a combination of Insecticides; poisonous to insects preying upon vegetables, and withal an excellent fertilizer, affecting nearly all classes of insect life, so that they either die or leave for parts unknown. **It kills the potato bugs** in all stages of their growth. **It kills the black fleas** on Cabbage, Turnips, Beets, Radishes and Egg Plants. Apply by dusting over the plant. **It kills the Cabbage worm,** and also the Currant and Gooseberry worm; the Aphis or Green Fly on Roses and other flowers. Has prevented the ravages of the Curculio and Canker Worm on fruit trees; used for **Beans, Melons, Squash, Cut Worms. Keeps the striped bugs from all vine crops.** For full information and testimonials from all sections of the United States, apply for Pamphlet, "Hammond's Slug Shot and its Uses." Slug Shot is put up in 5 and 10-lb. packages, and in flour barrels, loose, that contain 235 lbs. each. It is applied by a duster or bellows. Price, for 5-lb. package, 30c.; 10-lb. package, 60c.; 100 lbs., 5c. pound. Full directions on every package.

Trade Mark

Sterlingworth Weed Killer. The most powerful weed killer known. 1-pound packages, 50c.; 3-pound packages, $1.25.

Sterlingworth Lawn Compound. Kills the weeds, but not the grass ,and makes the lawn green and velvety. One pound will dress 100 to 200 quare feet, depending on the condition of the lawn. Price, 5-lb. cans, 60c.; 10-lb. cans $1.00; 50-lb. kegs, $4.00.

Sulphur, Powdered. Acknowledged to be one of the greatest insect and germ destroyers known. Price, 10c. per lb.; 10 lbs., 60c.; 25 lbs. and over, at 5c. per pound.

Sulpho-Tobacco Soap. For freeing animals from insects and washing the bark of trees and plants for scale, lice, etc. Price, 3-oz. packages, 10c.; or by mail, 15c. Dissolve 2 oz. to a gallon of water and apply with brush, sponge, or spray.

Lime Sulphur Solution. A perfect San Jose Scale and Fungous destroyer, especially adapted for spraying Peach, Plum and Pear trees which need fall and early spring spraying in order to insure a full and good crop of fruit. It is so concentrated that one 50-gallon barrel will make 500 to 600 gallons for winter use, and 1,200 to 1,800 gallons for summer use, by simply adding rain water. Price, 1-qt. cans, 25c.; 1-gal. can, 75c.; 5-gal. cans, $2.00; 50-gal. barrel, $8.50.

Tree Tanglefoot. A harmless, sticky compound, to apply directly to trees with wooden paddle. Price, 1-pound can, 30c.; 3-lbs., 85c.; 10 lbs., $2.65; 20 lbs., $4.80.

Tobacco Dust, Fine. For green and black aphis, fleas and beetles. Excellent for burning in greenhouses. Splendid fertilizer and preventive for insects in the ground and around roots. Price, 10c. per lb.; 5 lbs., 30c.; 10 lbs., 50c.; $3.00 per 100 pounds.

Tobacco Stems. For fumigating greenhouses and conservatories. Price, 50 lbs., 75c.; 100 lbs., $1.00; per ton, $16.00.

Whale Oil Soap. Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Price, 15c. per lb.

Warncke's Cutworm Food. The best food on the market for destruction of Cutworms. It is simple and cannot harm the plants. Can be used on any kind of vegetables and flowering plants. Full directions for use with each package. One pound is sufficient for 75 to 100 plants or hills. Prices, 1-lb. package 25c.; 5-lbs. box 85c.; 10-lb. box $1.35; 25-lb. box $3.10; 50-lb. box $4.50; 100-lb. box $8.50.

Dairy Supplies of all Kinds

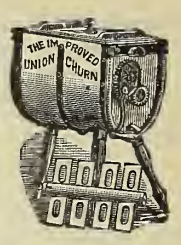
"THE BEST OF EVERYTHING FOR THE DAIRYMAN"

LET US KNOW YOUR WANTS

Barrel Churn

DOUBLE-ACTING DASHER CHURNS

No. 1 Union Churn, holds 5 gallons	Price,	$4.00
No. 2 Union Churn, holds 7½ gallons	Price,	4.50
No. 3 Union Churn, holds 10 gallons	Price,	5.25
No. 4 Union Churn, holds 15 gallons	Price,	7.00



BARREL CHURNS

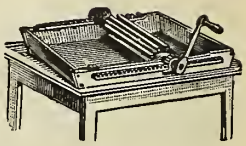
No. 0 Barrel Churn, holds 6 gallons	Price,	$3.00
No. 1 Barrel Churn, holds 10 gallons	Price,	3.40
No. 2 Barrel Churn, holds 15 gallons	Price,	3.75
No. 3 Barrel Churn, holds 20 gallons	Price,	4.00
No. 4 Barrel Churn, holds 25 gallons	Price,	5.25
No. 5 Barrel Churn, holds 35 gallons	Price,	6.00
No. 6 Barrel Churn, holds 45 gallons	Price,	8.25
No. 7 Barrel Churn, holds 60 gallons	Price,	9.75

Barrel Churns should never be filled quite half full. Power Barrel Churns priced on application.

REID HAND BUTTER WORKER

The best, strongest and easiest operating machine made.

No. 1, 23 x 36—Capacity 50 lbs	$7.75
No. 2, 20 x 36—Capacity 30 lbs	6.25
No. 3, 17 x 27—Capacity 20 lbs	5.50
No. 4, 14 x 23—Capacity 10 lbs	4.75



MILK AND CREAM BOTTLES AND CAPS

Bottles—½ pint, $4.75 per gross; 1 pint, $5.50 per gross; 1 quart, $7.50 per gross. Bottle Caps, 25c. per 1,000. Box of 5,000 for $1.00. Special price by the barrel.

Pilling's Patent Coin Silver Milking Tubes, in the following sizes:
1¾ in. long, 50c.; 2¼ in., 65c.; 2¾ in., 80c.; 3¼ in., 95c.; 3¾ in., $1.10; 4¼ in., $1.25, postpaid.

Floating Dairy Thermometers, postpaid, each	$0.25
Reid's ½ and 1-pound Hand Butter Moulds, each	1.50
Reid's 2-pound Hand Butter Moulds, each	2.50
Milk Bottle Brushes, each	.30
Milk Can Brushes, each	.10
Pioneer Brand Genuine Vegetable Parchment Paper, 8 x 11-inch size, per 1,000	.80
Pioneer Brand Genuine Vegetable Parchment Paper, Circles 7½ inch, per 1,000	.75

GARDENING AND HORTICULTURAL TOOLS

A full line, of which we will mention the following:

Forks—Digging and Spading, Hay or Stable	$0.30	to	$1.50
Forks—Manure and Short Handled	.30	to	1.25
Grafting Wax, in ¼, ½ and 1-lb. packages.	.10	to	.30
Grass Hooks, each	.25	to	.50
Grass Edging Knives	.50	to	1.00
Hoes—A full line	.20	to	1.00
Rollers—Garden and Field	9.00	to	50.00
Scythes—Brush, Short Blade	.50	to	1.25
Scythes—English and American Lawn Grass and Grain, Cast Steel, in sizes	.50	to	2.30
Scythe Stones, each			.10
Saws—Pruning and Grafting	.50	to	1.50
Transplanting Trowels	.10	to	.50

Transplanting Dibbler, 30c.

Hotbed Cloth

Hotbed Protecting Cloth. Specially prepared to prevent mildewing and rotting, valuable for forwarding and protecting early plants from frosts, covering hotbeds and frames in spring, in lieu of glass, and for throwing over bedding plants at night in fall, as for Chrysanthemum houses, at one-tenth the cost of glass. Pieces contain from 40 to 60 yards.

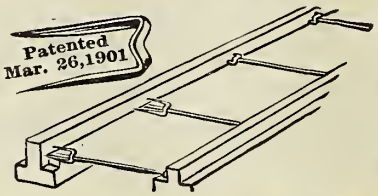
Price, medium grade, best for general purposes, per yard, 10c.; by piece, per yard, 9c.

Price, 75c. to $1.50

English Glazing Putty.....Per Gallon $1.50
Mastica .....Per Gallon 1.35
Special price in 10-Gallon Lots.

"PEERLESS" GLAZING POINTS

(Improved Van Reyper)



Used by all practical Florists and Market Gardeners.

No. 1, for large, single thick glass.

No. 2½, for double thick glass, for greenhouses and skylights.

Price, 60c. per box of 1,000.

Lang's Weeders...Price, 25c. each

Price, 10c. each.

Hedge Shears, Best English Steel, $1.75 each.

Pruning Shears—Solid Steel, Improved Springs, Price, 50c. each.

The Wilson Spring Whiffletree. Price, per pair, $1.50, $1.75, $1.90.

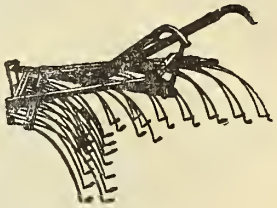
RETSOF LUMP ROCK SALT

Retsof is a pure Rock Salt in lump form, which can be put in convenient places for stock to lick at will, thus securing salt when the system requires it. This salt goes four times as far as any other.

Single bags, 200 lbs. ..... Per bag $ 1.25
Ton lots ..... Per ton **11.25**

KEYSTONE ADJUSTABLE WEEDER AND CULTIVATOR

This Weeder we introduce on its merits and can truthfully say that it is the very best Weeder made. Every farmer and gardener should have one. Price, **$10.00.**



BROADCAST GRASS SEED SOWERS
HAND AND WHEELBARROW

The Little Giant Hand Sowers and the Thompson Wheelbarrow Seeders are acknowledged the best on the market. They are the greatest labor and seed-saving Seeders made. We guarantee them in every way and offer them to our friends and customers as follows, delivered f. o. b. cars or express Toledo:

Little Giant Bow Seeder. Single one, $1.25; three in one order, $3.25; six in one order, $6.00.

Little Giant Crank Seeder. Single one, $1.50; three in one order, $4.00; six in one order, $7.50.

Thompson's Royal Chain Wheelbarrow Seeder. 14 or 16 ft. in width, $6.00 each.

Thompson's Regular Wheelbarrow Seeder. 14 or 16 ft. in width, $5.75 each.

Bow Seeder

Crank Seeder

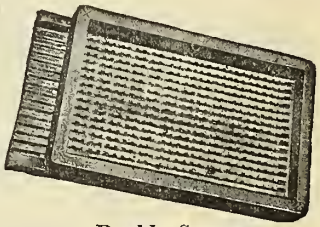
The Planter Patent Seed Corn Grader

Single Screen

Simplest, perfect Grader. Most rapid, 12 bushels per hour. Absolutely substantial. Satisfaction guaranteed. Endorsed by all corn growers and corn planter manufacturers.

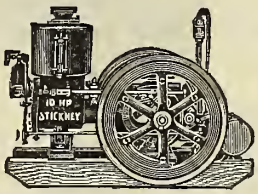
The Single Screen Grader will grade perfectly by first breaking off or shelling the small tip kernels. The Double Screen Grader does not necessitate this; the second screen takes care of the small and thin ones.

Prices: Single Screen, $1.00; Double Screen, $1.25.



Double Screen

STICKNEY GASOLINE ENGINES
ARE THE BEST



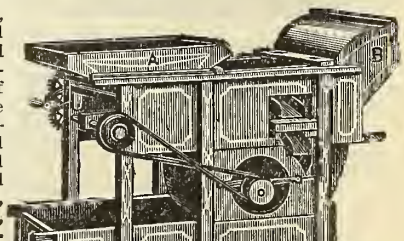
After thorough investigation and inspection of all gasoline engines, we are positively convinced that the Stickney Gasoline Engine excels all others in its outside igniter, in its cooling system, in its automatic mixer, in its governor and valve motion, in the quality of material and workmanship **and in the satisfaction it will give the operator.**

We have samples at the store and want everyone to come and let us show that this engine is what we claim it to be—the simplest and most reliable engine ever made—an engine with over 15,000 satisfied users.

You need an engine and the time to learn what a Gasoline Engine (and especially a Stickney) will do is **now.** Come and let us explain and get one of the finest Gasoline Engine Catalogues ever published.

THE IMPROVED CLIPPER GRAIN AND SEED CLEANER

The Most Perfect, Strongest and Cheapest Mill on Earth. This Mill will do What no Other Mill Ever Has or Will Do.

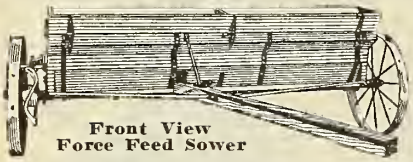


This Clipper Mill, No. 1, is for general use, and furnished with 10 sieves, suited for all kinds of grain and seed, nine of which are zinc—the best material for sieves, as it will not rust. This Mill cleans Wheat, Oats, Rye, Barley, Corn, Rice, Beans, Buckwheat, Coffee, Spice, Flax, Clover, Timothy, Millet, Hungarian and all other grasses and garden seeds with once through, and leaves no tailings to be re-cleaned. They separate Peppergrass, Plantain, Buckhorn and other foul and noxious seed from Clover and Red Top; Plantain and Peppergrass out of Timothy Seed. The only Mill which separates Red Clover, Timothy, Dock and noxious seed from Alsike Clover. It separates Cockle and Mustard from Wheat and Oats. You can grade all your grains perfectly for seed.

Another important and strong point of the Clipper Mills over others is that they are more compact and stronger built. They have a large box which the grain and seed drops into, and the price is as low as any ordinary mill. Price, No. 1, **$20.00**; No. 2, $30.00.

FORCE FEED LIME AND FERTILIZER SOWERS

The Force Feed Lime and Fertilizer Sower is a machine that is well built and substantial. It is not handicapped by being unable to sow any kind of lime, fertilizer or other fertilizing substance such as ashes, marl, salt, etc. The capacity of the machine is large. The draft is light. As a result, the work of the machine is rapid and well done. The agitation of the material which results in a Force Feed is entirely different from any other machine on the market. The direction of agitation is at right angles with the combined movements and vibrations of the box and material in the machine when in motion. As a result of this, we have a free and even sowing of the material to be sown.



Front View Force Feed Sower

Made in four sizes

No. 1, Capacity 10	bushels, sows 8 feet wide	$36.00
No. 2, Capacity 7½	bushels, sows 6 feet wide	35.00
No. 3, Capacity 15	bushels, sows 10 feet wide	45.00
No. 4, Capacity 11	bushels, sows 8 feet wide	42.00

Freight paid to your station.

Diamond Steel Tooth Harrows. These Harrows with patent Steel Teeth, each tooth riveted, which prevents splitting. We have 48-tooth, cutting 8 feet; 60-tooth, cutting 10 feet; 72-tooth, cutting 12½ feet. These are all Hinge Harrows—hinge made of wrought iron. We have a Section Harrow, with long eveners, sold by the section, 20 teeth in each section. Two sections, 40 teeth, cuts 8 feet; three sections, 60 teeth, cuts 13 feet; steel teeth riveted. These are for small gardeners. Price, from $3.50 to $12.00.

The Tiger Protection Steel Frame, Spring Tooth, Floating Harrow; The Tiger Protection Wood Frame, Spring Tooth, Floating Harrow—of different sizes and prices.

Adjustable Steel Frame Lever Harrows. 50, 60 and 70 Solid Steel Teeth. Price, $10.00, $11.00 and $12.00.

FARM WAGON BOLSTER SPRING

Width and No. of leaves	Capacity	Price
1½ x 3	1,000 lbs.	$4.00
1½ x 4	1,500 lbs.	4.25
1¾ x 4	2,000 lbs.	5.00
1¾ x 5	2,500 lbs.	5.50
2 x 5	3,000 lbs.	6.00
2 x 6	4,000 lbs.	6.50
2 x 7	5,000 lbs.	7.00
2½ x 6	6,000 lbs.	8.50
2½ x 7	7,000 lbs.	9.75
2½ x 8	8,000	11.00

The above cut shows the best Farm Wagon Bolster Spring now made, and you run no risk in sending us your order.

IMPROVED HAND CORN PLANTER

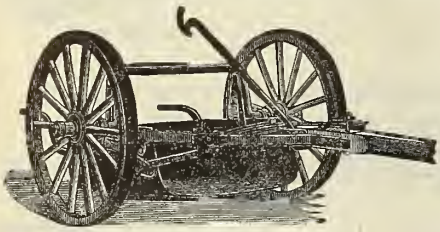
The Segmant Corn and Bean Planter. This Planter has stood the test for years, and never failed to receive the highest commendation in a single instance. Price, $1.00. Special price in dozen lots.

ACME HAND POTATO PLANTER

This is the pioneer implement of its kind. **Simple, Practical, Durable.** It is the lightest (weighs but 2½ pounds), strongest and most durable Hand Potato Planter yet made. Puts in the seed cheaper, easier and better than any other method. Works perfectly in clay, gravel or sandy soil, sod or new ground. Any farmer with less than thirty acres of potatoes to plant can put his seed in **cheaper with the Acme Planter** than by any other way. It is considered a good day's work for a man to plant three-fourths of an acre of potatoes in a day. With an **Acme Planter** a man can plant **two acres** in a day of ten hours.

It makes the holes, drops and covers at one operation. Once over the field does the work. Special price, $1.00.

TOOLS FOR TOWNSHIP OR CONTRACT WORK



Stagg Wheel Scraper

Columbus Solid Steel Square and Pressed Bowl, Wheel and Drag Scrapers.

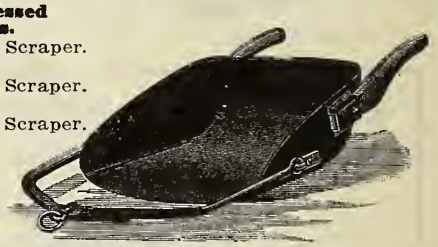
No. 1—Columbus Pressed Steel Bowl Scraper. Price, $4.90.

No. 2—Columbus Pressed Steel Bowl Scraper. Price, $4.65.

No. 3—Columbus Pressed Steel Bowl Scraper. Price, $4.40.

Add 25 cents extra for Runners.

Stagg Wheel Scraper. Square Bowl No. 1, $30.00; No. 2, $37.00; No. 3, $43.00. Pressed Bowl, No. 1, $29.00; No. 2, $38.00; No. 3, $44.00.



Solid Steel Scraper.

Doan's Patent Board Scraper—One size $4.50

Be sure to buy no other make, even for less money, as the genuine Doan is the only ditching scraper worth buying.

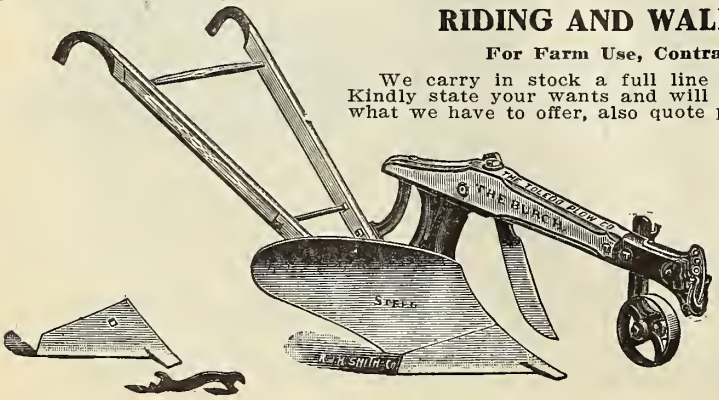
We carry in stock heavy grade and contractors' Plows, suitable for two to ten horses. Also agency for steam or horse Rollers, Road Machines, etc. Can furnish Mattocks, Picks, Shovels, etc. So please let us know your wants in that line, when we will name you right prices for best goods money will buy.

Doan Scraper.

RIDING AND WALKING PLOWS

For Farm Use, Contract or Grading.

We carry in stock a full line of both plows and repairs. Kindly state your wants and will be pleased to let you know what we have to offer, also quote prices.



The **Toledo Burch,** also **South Bend** steel and chilled one and two-horse plows.

Guaranteed to please or money refunded.

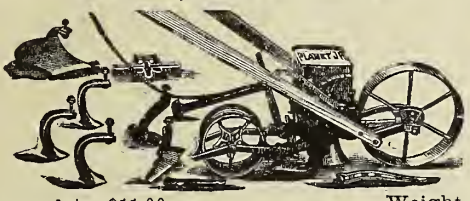
PRICES:

One-horse, chilled	$ 5.00
One-horse steel	8.75
Two-horse, chilled	10.00
Two-horse, steel	14.00
Grading Plows	$16.00 to 35.00

Planet Jr. Garden Tools

The New "PLANET JR." Catalogue is the handsomest, best and most instructive book ever issued on a simllar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow



Price, complete, $11.00 Weight, 53 lbs.
As a Seeder Only, $9.00 Holds 2½ Quarts of Seed

This tool combines, in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow.

No. 12 Double-Wheel Hoe, Cultivator and Plow

Price, $7.00. Weight, 34 lbs. Steel Frame

This tool has one pair plows, one pair hoes, two pairs cultivator teeth and a pair of leaf lifters. The tools sold with No. 12 are what gardeners use most, and the others can be added as wanted.

No. 13 Double-Wheel Hoe

Price, $4.75. Weight, 29 lbs.

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most generally useful. Any or all of the other tools shown with No. 12 may be added at any time.

No. 17 Planet Jr. Single Wheel Hoe

Price, $5.00. Weight 23 lbs. Steel Frame

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

No. 17½ Planet Jr. Single Wheel Hoe

Price, $4.50. Weight 21 lbs.

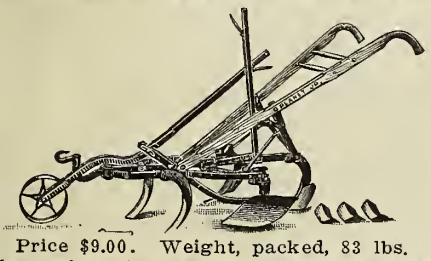
This tool is identical with No. 17, except in equipment. The pair of 6-inch hoes, three cultivator teeth and leaf lifter which go with it, are all the finest of their kind.

No. 18 Single Wheel Hoe

Price, $3.50. Weight, 20 lbs.

This tool has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. Other tools can be added as needed.

No. 8 Planet Jr. Horse-Hoe and Cultivator



Price $9.00. Weight, packed, 83 lbs.

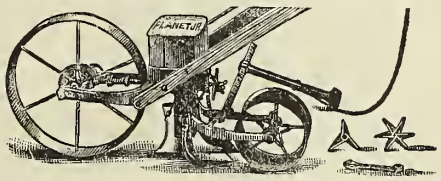
No other cultivating machine is so widely known as the Planet Jr. Combined Horse-Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and throws back from centre again.

No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow

Price, $13.50. Weight, packed, 59 lbs.
Holds 2½ Quarts of Seed

This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double-Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.

No. 3 Planet Jr. Hill and Drill Seeder



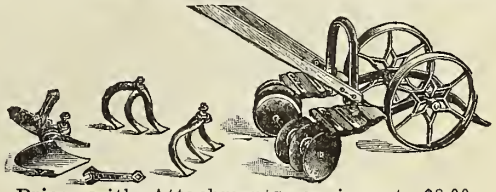
Price, $10.50 15-inch Steel Driving Wheel
Holds 3 Quarts of Seed Weight, packed, 48 lbs.

A favorite among onion growers, market gardeners and seedsmen.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper.

The hill dropping is simple and reliable; making hills either 4, 6, 8, 12 or 24 inches apart.

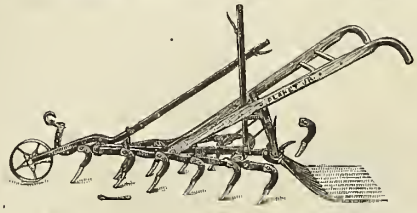
Planet Jr. Double-Wheel Disc Hoe, Cultivator and Plow



Price, with Attachments, as in cut, $8.00.
Weight, 38 lbs. Steel Frame.

This new tool will give excellent satisfaction; is especially pleasing to all who work peat lands. There are three oil-tempered disc on each side. The frame is **steel**. The set of prong cultivator teeth are constructed on entirely new lines, and will be found invaluable in general cultivation. The plows are the regular Planet Jr. model and are continually valuable for furrowing, covering and plowing.

Planet Jr. 12-Tooth Harrow, Cultivator and Pulverizer



Complete, $9.00 Weight, packed, 73 lbs.
Without Pulverizer, $7.40
Without Pulvertizer or Wheel, $6.20

Gardeners cultivate better than formerly It has been found to pay best. With the 12-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and find it as with a garden rake. You widen and narrow as you please between 12 and 32 in. It's a special favorite with strawberry growers, market gardeners and truckers.

"PLANET JR." 1914 PRICE LIST

Call and see or send for "Planet Jr." Special Catalogue, fully describing and illustrating a large variety of hand and horse-power implements, superior to any other makes in the world.

		Packed Weight	Price
"Planet Jr."	**No. 4 Hill and Drill Seeder** and Single Wheel Hoe	53 lbs.	$11.00
"	**No. 4** " " " " plain (as a seeder only)	44 lbs.	9.00
"	**No. 25** " " " " and Double Wheel Hoe	64 lbs.	13.50
"	**No. 6** " " " " and Single Wheel Hoe	64 lbs.	13.50
"	**No. 6** " " " " plain (as a seeder only)	55 lbs.	11.00
"	**No. 36 Single Wheel Hoe**	34 lbs.	6.25
"	**No. 3 Hill and Drill Seeder**	43 lbs.	10.50
"	**No. 5 Hill and Drill Seeder**	52 lbs.	13.00
"	**No. 1 Combined Drill Seeder and Wheel Hoe**	42 lbs.	9.50
"	**No. 2 Drill Seeder**	36 lbs.	7.50
"	**No. 21 Combined Seed and Fertilizer Drill**	37 lbs.	19.00
"	**No. 11 Double Wheel Hoe**	37 lbs.	9.00
"	**No. 12** " " "	31 lbs.	7.00
"	**No. 13** " " "	26 lbs.	4.75
"	**No. 16 Single Wheel Hoe**	27 lbs.	5.85
"	**No. 17** " " "	22 lbs.	5.00
"	**No. 17½** " " "	21 lbs.	4.50
"	**No. 18** " " "	19 lbs.	3.50
"	**No. 14 Double Wheel Disc Hoe**	38 lbs.	8.00
"Farmers'"	**No. 19** " " "	20 lbs.	3.75
"Fire-Fly"	**Plow**	14 lbs.	2.35
"Iron Age"	**No. 6 Combined Wheel Hoe and Hill and Drill Seeder**		12.00
"	**No. 6 Combined Wheel Hoe and Hill and Drill Seeder,** less attachments		9.00
"	**No. 4 Combined Wheel Hoe and Seeder**		11.00
"	**No. 4 Drill Seeder only**		8.00
"New Model"	**Hand Seed Drill**		8.00
"Iron King"	**Onion Seed Drill**		7.50
"	**Double Wheel Hoe**		4.00
"Planet Jr."	**Grass Edger**	25 lbs.	6.25
"	**No. 8 Horse Hoe and Cultivator**	82 lbs.	9.00
"	**No. 7 Horse Hoe and Cultivator**	77 lbs.	8.50
"	**Nine-Tooth Horse Hoe**	127 lbs.	15.25
"	**No. 9 Horse Hoe and Cultivator** (with wheel)	71 lbs.	7.75
"	**No. 9** " " " " (without wheel)	64 lbs.	7.00
"	**No. 4** " " " " (with wheel)	63 lbs.	6.75
"	**No. 4** " " " " (without wheel)	56 lbs.	6.00
"	**No. 80** " " " " (with wheel)	77 lbs.	9.00
"	**No. 80** " " " " (without wheel)	71 lbs.	8.25
"	**Seven-Tooth Plain Cultivator** (with wheel)	78 lbs.	8.00
"	**No. 9 Plain Cultivator** (with wheel)	63 lbs.	6.50
"	**No. 9** " " (without wheel)	56 lbs.	5.75
"	**No. 4** " " (with wheel)	56 lbs.	5.25
"	**No. 4** " " (without wheel)	49 lbs.	4.50
"	**Double Celery Hiller**	87 lbs.	16.00
"	**Single Celery Hiller**	67 lbs.	13.00
"	**Twelve-Tooth Harrow** (complete)	73 lbs.	9.00
"	" " " (without pulverizer)	65 lbs.	7.40
"	" " " (without pulverizer or wheel)	52 lbs.	6.20
"	" " " (with No. 9 wheel)	59 lbs.	6.90
"	**No. 72 Two-Row Pivot-Wheel Cultivator** (complete)	577 lbs.	52.50
"	**No. 73 Pivot-Wheel Cultivator** "	512 lbs.	42.50
"	**No. 76** " "	521 lbs.	48.00
"	**No. 41 Orchard and Universal Cultivator** (cuts 4 ft.)	383 lbs.	38.00
"	**No. 41** (with extensions, (cuts 6 ft. 6 in.)	488 lbs.	48.00
"	**No. 42 Orchard and Universal Cultivator** (cuts 5 ft. 3 in.)	422 lbs.	42.00
"	**No. 42** (with extensions, cuts 7 ft. 9 in.)	527 lbs.	52.00
"	**No. 1 Orchard and Universal Cultivator** (cuts 5 ft. 3 in.)	382 lbs.	38.00
"	**No. 53 Two-Row Horse Hoe and Beet Cultivator**	240 lbs.	25.00
"	**No. 53 Two-Row Horse Hoe and Beet Cultivator** (plain)	219 lbs.	22.50
"	**No. 3 Four-Row Sugar Beet Horse Hoe** (complete)	687 lbs.	90.00
"	**White Potato Digger**	126 lbs.	18.00
"	**Sweet Potato Digger**	140 lbs.	20.00

1¼ x 8-inch Steels	$0.09
1¾ x 8-inch Steels	.10
2¼ x 8-inch Steels	.11
3 x 8-inch Steels	.12
4 x 8-inch Steels	.13
1¼ x 10-inch Steels	.13
1¾ x 10-inch Steels	.14
2¼ x 10-inch Steels	.17
3 x 10-inch Steels	.19
4 x 10-inch Steels	.22
7-inch Shovel Steels	.25
8-inch Shovel Steels	.30
8-inch Sweep and Bolt	.33
10-inch Sweep and Bolt	.38
12-inch Sweep and Bolt	.44
15-inch Sweep and Bolt	50
18-inch Sweep and Bolt	.60
6-inch Side Steels	50

6-inch Hoe Steels and Bolts	$0.45
10-inch Hoe Steels and Bolts	.55
10-inch Furrower	.80
12-inch Furrower	1.00
15-inch Furrower	1.20
20-inch Furrower, with Wings	1.90
20-inch Furrower, with Renewable Point	2.25
Bolts	.02
Wheel complete for No. 9 Horse Hoe	.85
Seven-Tooth Horse Hoe Attachment	1.65
Nine-Tooth Horse Hoe Attachment	7.25
No. 1 Universal Cultivator, Extensions, per pair	5.25
No. 41 Universal Cultivator, Extensions, per pair	10.50
Strawberry Runner Cutter Attachment	1.85
18-inch Sweep Attachment for Harrow	1.35
Hoeing Attachment for Harrow, complete	1.40
Discs for Pivot-Wheel Cultivators, per pair	4.25
Discs for Beet Cultivators, per pair	3.25

Open as Set.

Sprung with Mole caught.

THE HEARTLEY MOLE TRAP

A new Trap on common sense principles and sure death to the mole that enters it. A child can manipulate it with perfect safety. **Price, 75c., f. o. b. Toledo.**

This is the best Mole Trap on the market for several reasons: First—It will catch a mole from two to four inches deeper in the ground than any other trap sold. Second—You do not have to dig up from four to eight inches of your lawn to remove the mole from the ground, or weight the trap to prevent it springing out of the ground when tripped. Third—There are no sharp, needle-like spears lying around to endanger the lives of your children or stock. Fourth—When set it only extends five inches above the ground and seven inches in the ground, thus being the best trap on the market for **hotbeds,** and it will not interfere with the glass cover. Fifth—Being the only trap on the market that is absolutely self-setting. This trap is made of best steel and plated to prevent rusting.

THE PAGE-PHILIPPS SEED CO.
SUCCESSORS TO

ORDER SHEET

THE HENRY PHILIPPS SEED CO., TOLEDO, OHIO

Amount Enclosed {State Whether P. O. Order, Ex. Money Order, Draft, Postage Stamps or Cash} ....

....

PLEASE DO NOT WRITE HERE

No. ....

Date Rec'd ....

Date .... Forwarded by {STATE IF WANTED BY MAIL EXPRESS OR FREIGHT} ....

Name ....

Street, P. O. Box or Rural Delivery ....

Postoffice ....

Freight or Express Office {If Different from Postoffice Address} ....

County .... State ....

Quantity	FLOWER SEEDS, BULBS AND PLANTS	Price	Quantity	VEGETABLE, CLOVER, GRASS AND FIELD SEEDS	Price

NOTICE—When ordered by mail, Postage EXTRA on Peas, Beans or Corn, Pints 8c, Quarts 15c.

SPECIAL NOTICE

To our Friends and Customers:—

For many years The Henry Philipps Seed & Implement Company have been known as the Pioneer Seed House of Northern Ohio. The business was established in 1852. For more than sixty years a large, successful and satisfactory business was conducted with its thousands of customers in many states, including Ohio, Michigan, Illinois, Indiana, W. Virginia, Pennsylvania and New York. On account of the financial condition of the country and other reasons business troubles came in 1914 and it was necessary in order to continue the business, to reorganize and obtain additional capital. This has been done and the company now has ample means to carry on the business and is in better position than ever to serve its customers. We are obliged to apologize for this catalogue, on account of the lateness of the season before the company was reorganized, there was not time to get up an entirely new one and the same plates were used as the 1914 catalogue was printed from. In nearly all cases prices have been left the same and this is of distinct advantage to our customers, for the reason that a great many varieties are much higher in price, but so far as possible we will fill orders as quoted except in the few cases noted in this sheet. Next year we promise an entirely new catalogue to all our customers of this year. Send in your orders early.

Please to note the following changes in prices:

Beans quoted on pages 2, 3, 4 and 5. All prices for larger quantities than pints are withdrawn. We cannot fill orders for larger quantities than pints except at prices to be quoted by letter.

Canada Field Peas on page 37, price $3.00 per bu.

Dwarf Essex Rape on page 37. Price per pound, postpaid, 25 cents, by express or freight at purchaser's expense, 10 pounds $1.25, 100 pounds $9.00.

Seed Oats, on page 37. Price, 15 cents a bushel more than quoted.

Seed Rye, page 37. Prices withdrawn. Ask for quotations.

Vetch, page 38. Prices withdrawn. Ask for quotations.

Spring and Winter Wheat, page 41. Prices withdrawn. Ask for special quotations.

Japanese Millet, page 40. Prices withdrawn. Ask for quotations.

Seed Corn. Red Cob Ensilage, page 35. Price advanced 20 cents per bushel.

On account of the war in Europe, it is not possible to obtain some varieties of Flower Seeds. We shall try and fill orders, so far as possible, for just the varieties ordered, but if it is impossible to furnish some varieties, we will send as near as we can or we will refund the money.

We will be pleased to quote seeds in larger quantities than offered in this catalogue, upon request, stating varieties and quantities wanted.

THE PAGE-PHILIPPS SEED CO.,

successors to

THE HENRY PHILIPPS SEED & IMPLEMENT CO.

IMPERIAL RUBBER ROOFING

"Fit for a King"

HERE IS THE UTMOST IN ROOFING QUALITY

You can't get better than best. There is a standard of material and manufacture in the prepared roofing business that insures **longest possible wear** and **least repairs.**

This standard represents the absolute limit — the top notch of roofing quality and **IMPERIAL roofing is the roofing that sets this standard.**

You can pay higher **prices** than we ask for **IMPERIAL.** But no matter **what** you pay, you can't improve on **IMPERIAL quality.** And less money than we ask can't bring money's worth. A smaller price won't let the maker give you a roof made good enough to make good.

Repair and paint expense don't worry the man who uses

IMPERIAL ROOFING

It has wear and **durability, built** in and **woven** in and **compressed** in. A roll of Imperial Roofing contains one hundred square feet of the **toughest, most indestructible, weather-proof** material known to mankind.

The dollars you invest in Imperial Roofing will pay a **bigger** dividend in years of **wear** and genuine **satisfaction,** than any other roofing **can** yield.

Imperial Rubber Roofing, 1-Ply, per roll 108 square ft.	Weight, 34 pounds	$1.20
Imperial Rubber Roofing, 2-Ply, per roll 108 square ft.	Weight, 44 pounds	1.55
Imperial Rubber Roofing, 3-Ply, per roll 108 square ft.	Weight, 54 pounds	1.85

Cement and nails placed free inside of each roll.

IMPERIAL BLACK ELASTIC ROOF PAINT

Makes your old prepared roof new. Absolutely preserves all metal surfaces from rust and decay.

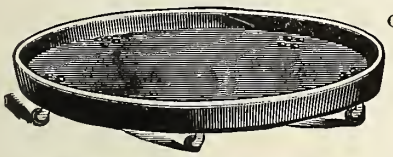
Imperial Black Elastic Roof Paint—1-gallon cans, 65c. per gallon; 10-gallon cans, 55c. per gallon. 5-gallon cans, 60c. per gallon; 30-gallon barrels, 45c. per gallon.

F. O. B. Toledo

QUALITY AND SATISFACTION GUARANTEED

Write for Roofing Samples today

A "Wheeling" Dish



The Fibre-Ware Saucer

Outside diam. about	Will take pot	No. of Casters	Ea.
12 in.	10 in.	3	$0.60
14 in.	12 in.	3	.75
16 in.	14 in.	4	.90
18 in	16 in.	4	1.00
20 in.	18 in.	4	1.25
22 in.	20 in.	5	1.50

American Flower and Tree Tubs

No.	Outside Top Diam.	Depth	Price
1	11½ in	11½ in.	$1.00
2	13½ in.	11¼ in.	1.25
3	14¾ in.	14 in.	1.65
4	16 in.	15 in.	2.00
5	19 in.	18 in.	3.00
6	22 in.	19½ in.	3.75
7	25 in.	22 in.	5.00
8	26 in.	23¾ in.	6.00

Books on Horticultural and Kindred Subjects

American Standard of Perfection—(Adopted by the American Poultry Association.) Complete description of all recognized breeds, judges' instructions, etc. $1.75

Asparagus, its Culture for Home Use and for Market—A practical treatise .60

Bulb Culture—Special cultural directions for 200 varieties .50

Carnation Culture, American—Complete history and culture of the divine flower 1.75

Chrysanthemum Culture for Amateurs .50

Celery for Profit—Tells how to make celery pay big profits .30

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Fertilizers, Gregory on—Tells how to compound formulas .50

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Fruit Grower, The Practical—Describes the various fruits, when and how to plant .60

Gardening for Profit—A guide to the successful culture of the market and family garden 1.75

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Grape Culture, A Practical Treatise on—Valuable hints on the culture of the grape .30

Mushroom Culture, its Extension and Improvement—Contains all different ways of cultivation .60

Potatoes for Profit—By an expert .30

Profits in Poultry and their Profitable Management—Profusely illustrated 1.25

Propagation, The Art of—A concise and practical treatise .40

Questions and answers in Poultry Raising, 500— .30

Roses, Book of the—A reliable written guide to rose culture 1.50

Roses and How to Grow Them 1.25

Strawberry Culturist—A complete direction for the growing of strawberries .30

Sweet Peas, All about—A beautifully illustrated book .25

Window Flower Garden, The—Personal experience of a practical florist .60

Prices on Books include postage